Product Series :	**GSFH**	**Brand :**	GOTREND
File Version :	GSFH-SERIES	**Editor :**	Yinghui Guo
Established Date	2023.06.16	**Description :**	High Current Inductor
Latest Edit Date :	2024.06.26	**Product Type :**	☑ Standard ☐ Customize

Version Information :

SN	Date	Version Code	Modify Description	Editior	Check
01	2023.06.16	V1R0	New version update release	Yinghui Guo	Toby
02	2023.08.02	V1R1	Add more sensibility	Qiuyi Wu	Toby
03	2023.09.27	V1R2	Modify the GSFH201610P&GSFH252012P D dimensions	Qiuyi Wu	張文昭
04	2024.06.26	V1R3	Add full range specifications	Yinghui Guo	張文昭

⚠ REMINDERS

- Product information in this catalog is subject to change without notice, and is for reference only. Therefore, please contact GOTREND Technology to check for the latest information before practical application or usage of the products.
- This catalog contains only typical specifications, please contact GOTREND Technology for further details if you can not find special components or information you need in this catalogue. Please also approve our product specifications or transact the approval sheet for product specifications before ordering.
- This catalogue only applies to products purchased through GOTREND Technology or its official agencies. This catalogue does not apply to products that are purchased through other third parties.
- Please read Attention and CAUTION note (for storage, operating, rating, soldering, mounting and handling) in this catalog to ensure product proper usage.
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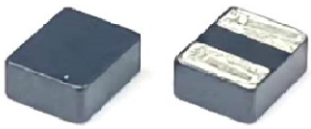
- Information and data provided in the brochure can and do vary in different applications, and actual performance may vary over time.
- "Delivery Specification" illustrating precautions for the specifications and safety of each product listed in this catalog is available and we strongly recommend to provide these delivery specifications with customers that use these products.
- For exporting of product in this catalog, please take note it may be a restricted item according to the “Foreign Exchange and Foreign Trade Control Law”. In such cases, it is necessary to acquire export permission in accordance to this law.
- Any reproduction or extraction of the contents in this catalog is prohibited without prior permission from GOTREND Technology.
- Products listed in this catalog are intended for general electronic device usage under normal operation and use condition including telecommunication equipment, home appliances, sports equipment AV equipment, industrial machine, office equipment etc. Please take note that our products are not designed, intended or authorized for use in below mentioned applications unless explicitly agreed in writing between the parties to avoid product failure that could result in situation where personal injury or death could occur.

  (1) Aerospace/Aviation equipment
  (2) Atomic energy-related equipment
  (3) Disaster prevention/crime prevention equipment
  (4) Electric heating apparatus, burning equipment
  (5) Medical equipment
  (6) Military equipment
  (7) Power-generation control equipment
  (8) Public information-processing equipment
  (9) Safety equipment
  (10) Seabed equipment
  (11) Transportation control equipment
  (12) Transportation equipment (cars, electric trains, ships, etc.)
  (13) Other applications that are not considered general-purpose applications
- Our manufacturing sites fully compliance with requirement regarding the quality management system in the automotive industry under the IATF 16949 standard. GOTREND Technology respect individual agreements with reference to customer requirements and customer specific requirements (CSR). We will like to emphasize that only requirements mutually agreed upon will in implemented in our Quality Management System taking into consideration that IATF 16949 may appear to support the acceptance of unilateral requirements. We will only legally bind to this individually agreed upon agreement under the IATF 16949 standard.
- The product itself is a powder metallurgy product, so the structure is relatively fragile, and it should not be used for products that are easy to fall. In addition, when this product is assembled, it should avoid collision with the tool or mechanism shell.

- It is not recommended to use hot air gun for disassembling of this product. When using of hot air gun to repair other parts, please also take note that long time or high temperature exposure of this product will also damage the inductance device. If you need to use the hot air gun to disassemble the product, it is recommended to adjust the hot air gun temperature to 380 deg.C±5 deg.C. The blower head of the hot air gun should be perpendicular and at least 1cm away from the product. After heating the product to the tin material melting point, use tweezers to remove the product from the PCB.

Features & Application :

* High performance (Isat) realized by metal dust core.
* Low loss realized with low DCR
* Capable of corresponing high frequency
* 100% lead (Pb) free meet RoHS standard
* DC / DC converter for CPU in Notebook PC



(Picture for reference only)

Part No. Example :

PN	:	GSFH	201610	P	☐	-	1R0	M
ID	:	1	2	3	4		5	6

1	:	GOTREND Series : GSFH
2	:	Type Size Code :201610 = 2.0x 1.6 x 1.0 mm
3	:	P = Pb free < 1000 ppm
4	:	Coating color : B=Black , G=Gray
5	:	[L] Value : Inductance 1R0 = 1.0 uH
6	:	[L] Tolerance : M = +/-20%

Basic Information :

Made in	Taiwan / China
Pin Foot	SMD
Shielding	Yes
J-STD-020	MSL Level 1
RoHS	Compliant
REACH	Compliant
Halogen	Free

Operating & Storage Condition :

* Operating Temp	-55 ~ +125 ℃ (Including self - temperature rise)
* Storage Temp	1. -10 ~ +45 °C , 50 ~ 60% RH (Product with taping)
	2. -55 ~ +125 ℃ (On board)
* Storage Life Time	6 Month (Less than 40°C and 60% RH)

Attention & Caution :

* Keep out of	Splashing water or salt water
* Avoid	Toxic Gas (Hydrogen sulfide, Sulfurous acid, Chlorine, Ammonia)
	Vibrations or shocks which exceed the specified condition
	Dew condense
	Layout near the edge of PCB
	Over flexure after SMT mounting & PCBA

* Pin foot or SMD pad solderablility: Pb free type is best within 6 months after delivery
* Humidity sensitive , IPC/JEDEC J-STD-020 MSL if over Level 1, recommend bake 30mins@150 degree before PCBA
* Caution for human life relative applications : PLS contact & consult with GOTREND team in design stage.

Test Condition :

* Equipment	HP4284A , HP42841A - L , Q , DCR , IDC
	HP8753D Network analyzer - SRF

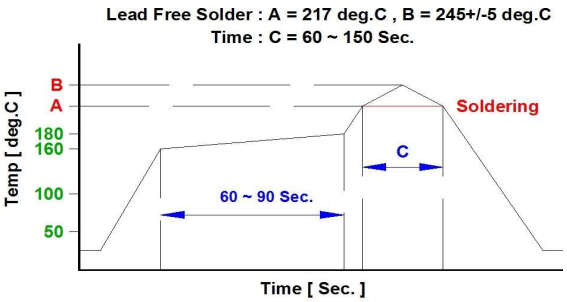
* Standard Atmosphere Conditions:

Ambient	Temperature 20 ± 15 °C
	Humidity RH 65 ± 20%

* If there may be any doubt on the test result ,
Measurement shall be made within the following limits:

Ambient	Temperature 25 ± 5 °C
	Humidity RH 75 ± 10%

Recommend IR Reflow Curve : GTX-IR-FILE001



Notice : Iron Soldering , Solder < 30 Watt ,
Direct touch the terminal x 3 Sec. Max. @ 350 deg.C

Product Series :	**GSFH**	**Brand :**	GOTREND
File Version :	GSFH-SERIES	**Editor :**	Yinghui Guo
Established Date :	2023.06.16	**Description :**	High Current Inductor
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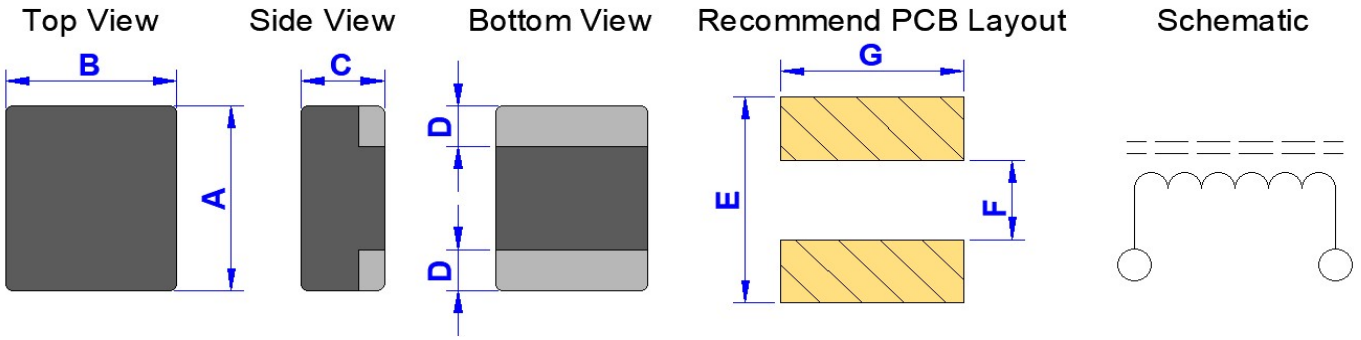
SMD Power Inductor - GSFH Series Type

Image	Part Name	L (mm) Typ.	W (mm) Typ.	H (mm) Typ.	Inductance Range (uH) M=+/-20%	DCR (m Ohm) Max.	Irms (A) Max.	Isat (A) Max.	Page
	GSFH100765P	1.0	0.7	0.65	1.5 ~ 2.6	500.0 ~ 900.0	0.3 ~ 0.4	0.8 ~ 0.9	5
	GSFH121065P	1.2	1.0	0.65	2.2	340.0	0.9	1.2	6
	GSFH160806P	1.6	0.8	0.6	0.1	20.0	6.0	6.0	7
	GSFH160865P	1.6	0.8	0.65	0.22 ~ 2.2	43.0 ~ 430.0	1.1 ~ 3.5	1.3 ~ 4.5	8
	GSFH160808P	1.6	0.8	0.8	0.22 ~ 10.0	40.0 ~ 1600.0	0.45 ~ 3.0	0.7 ~ 5.0	9 ~ 10
	GSFH141265P	1.4	1.2	0.65	0.33 ~ 0.47	32.0 ~ 45.0	2.7 ~ 4.2	3.0 ~ 4.0	11
	GSFH141207P	1.4	1.2	0.7	0.24 ~ 0.47	28.0 ~ 38.0	3.3 ~ 3.6	3.5 ~ 4.3	12
	GSFH141208P	1.4	1.2	0.8	0.24 ~ 1.0	27.0 ~ 77.0	2.5 ~ 3.7	2.5 ~ 5.7	13
	GSFH201206P	2.0	1.2	0.6	0.11	15.0	7.0	4.8	14
	GSFH201265P	2.0	1.2	0.65	1.0 ~ 2.2	86.0 ~ 230.0	1.4 ~ 2.3	1.5 ~ 2.5	15
	GSFH201208P	2.0	1.2	0.8	0.11 ~ 4.7	12.0 ~ 325.0	1.5 ~ 6.5	1.4 ~ 9.0	16 ~ 17
	GSFH201210P	2.0	1.2	1.0	0.1 ~ 10.0	13.0 ~ 660.0	1.0 ~ 7.0	1.0 ~ 8.0	18 ~ 19
	GSFH201212P	2.0	1.2	1.2	0.11 ~ 3.3	6.2 ~ 210.0	1.6 ~ 11.0	1.8 ~ 11.0	20
	GSFH201655P	2.0	1.6	0.55	0.33 ~ 0.47	41.0 ~ 53.0	3.0 ~ 3.5	3.0 ~ 3.5	21
	GSFH201665P	2.0	1.6	0.65	0.47 ~ 1.0	40.0 ~ 70.0	3.0 ~ 4.5	2.7 ~ 4.0	22
	GSFH201607P	2.0	1.6	0.7	2.2	175.0	1.8	2.0	23
	GSFH201608P	2.0	1.6	0.8	0.22 ~ 10.0	19.0 ~ 800.0	0.9 ~ 5.9	0.9 ~ 5.6	24 ~ 25
	GSFH201610P	2.0	1.6	1.0	0.1 ~ 10.0	12.0 ~ 580.0	0.7 ~ 8.0	1.1 ~ 8.4	26 ~ 27
	GSFH201612P	2.0	1.6	1.2	0.1 ~ 6.8	6.0 ~ 300.0	1.7 ~ 10.0	1.7 ~ 11.5	28 ~ 29
	GSFH252055P	2.5	2.0	0.55	0.22 ~ 0.47	28.0 ~ 49.0	5.2 ~ 6.0	3.2 ~ 4.5	30
	GSFH252075P	2.5	2.0	0.75	2.2 ~ 10.0	90.0 ~ 530.0	0.9 ~ 2.0	0.9 ~ 2.4	31
	GSFH252008P	2.5	2.0	0.8	0.47 ~ 10.0	27.0 ~ 600.0	1.2 ~ 6.0	0.9 ~ 5.3	32
	GSFH252010P	2.5	2.0	1.0	0.22 ~ 22.0	17.0 ~ 1300.0	0.6 ~ 6.5	0.9 ~ 7.9	33 ~ 34
	GSFH252012P	2.5	2.0	1.2	0.1 ~ 22.0	10.0 ~ 800.0	1.1 ~ 10.5	1.0 ~ 12.5	35 ~ 36
	GSFH322510P	3.2	2.5	1.0	0.22 ~ 10.0	11.0 ~ 365.0	1.8 ~ 8.0	1.8 ~ 8.0	37 ~ 38
	GSFH322512P	3.2	2.5	1.2	0.1 ~ 10.0	7.0 ~ 230.0	1.8 ~ 11.0	1.9 ~ 16.5	49 ~ 40
	GSFH322520P	3.2	2.5	2.0	0.27 ~ 6.8	6.5 ~ 125.0	2.3 ~ 15.0	2.9 ~ 15.0	41 ~ 42
	GSFH3010P	3.0	3.0	1.0	6.8 ~ 10.0	270.0 ~ 360.0	1.7 ~ 1.8	1.3 ~ 1.5	43
	GSFH3012P	3.0	3.0	1.2	0.1 ~ 15.0	6.0 ~ 380.0	1.3 ~ 17.0	1.6 ~ 18.0	44
	GSFH3015P	3.0	3.0	1.5	0.15 ~ 22.0	6.0 ~ 700.0	1.0 ~ 11.0	1.2 ~ 15.0	45 ~ 46
	GSFH3018P	3.0	3.0	1.8	0.22 ~ 4.7	7.0 ~ 87.0	3.0 ~ 9.0	4.2 ~ 16.0	47
	GSFH3020P	3.0	3.0	2.0	0.15 ~ 15.0	5.0 ~ 260.0	1.5 ~ 12.0	2.2 ~ 17.0	48 ~ 49
	GSFH4010P	4.1	4.1	1.0	1.0 ~ 10.0	26.0 ~ 280.0	2.0 ~ 6.5	2.0 ~ 4.8	50
	GSFH4012P	4.1	4.1	1.2	0.47 ~ 10.0	14.0 ~ 235.0	2.0 ~ 8.5	2.5 ~ 11.5	51 ~ 52
	GSFH4020P	4.1	4.1	2.0	0.33 ~ 22.0	6.0 ~ 330.0	1.3 ~ 8.5	2.3 ~ 17.0	53 ~ 54
	GSFH4030P	4.1	4.1	3.0	0.47 ~ 10.0	7.0 ~ 110.0	3.3 ~ 14.0	4.5 ~ 21.0	55 ~ 56

GSFH100765P-SERIES

Dimension [mm] :



Size Code	A (+/-0.1)	B (+/-0.1)	C (Max.)	D (+/-0.2)	E (Ref.)	F (Ref.)	G (Ref.)
100765P	1.00	0.70	0.65	0.30	1.10	0.30	0.80

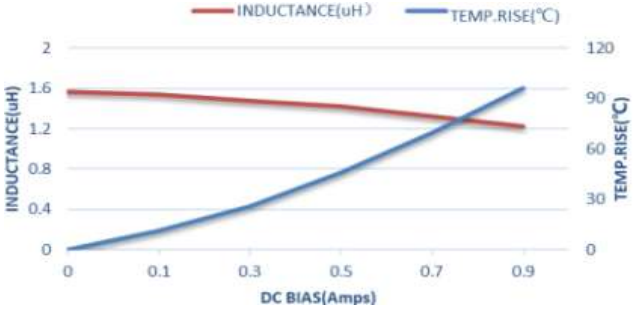
Electrical Characteristics :

Part No.	Inductance(uH)	Inductance Tolerance	DCR(m Ohm)		Irms(A)		Isat(A)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
GSFH100765PB-1R5M	1.50	M	400.00	500.00	0.40	0.30	1.10	0.90
GSFH100765PG-2R6M	2.60	M	750.00	900.00	0.55	0.40	1.00	0.80

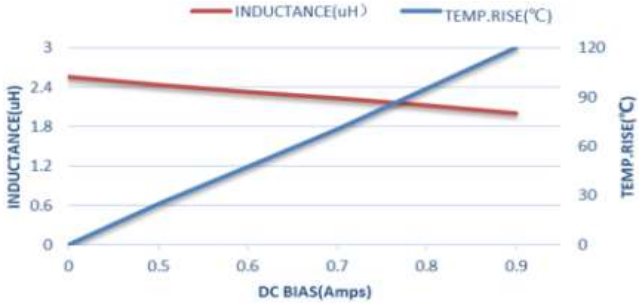
* **Inductance Test Condition :** @1MHz , 1.0Vrms , 25℃ Ambient
* **Inductance Tolerance :** M = +/-20%
* **Irms :** Rated Current Loading when temperature rise approximately ΔT of 40℃
* **Isat :** Saturated Current measured at the point of L drop approximately 30%
* **The part temperature (ambient + temp rise) :** should not exceed 125℃ under worst case operating conditions. Circuit design, component,PCB trace size and thickness,airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
* **The rated current as listed :** is either the saturation current or the heating current depending on which value is lower.

Typical Performance Curves :

GSFH100765PB-1R5M

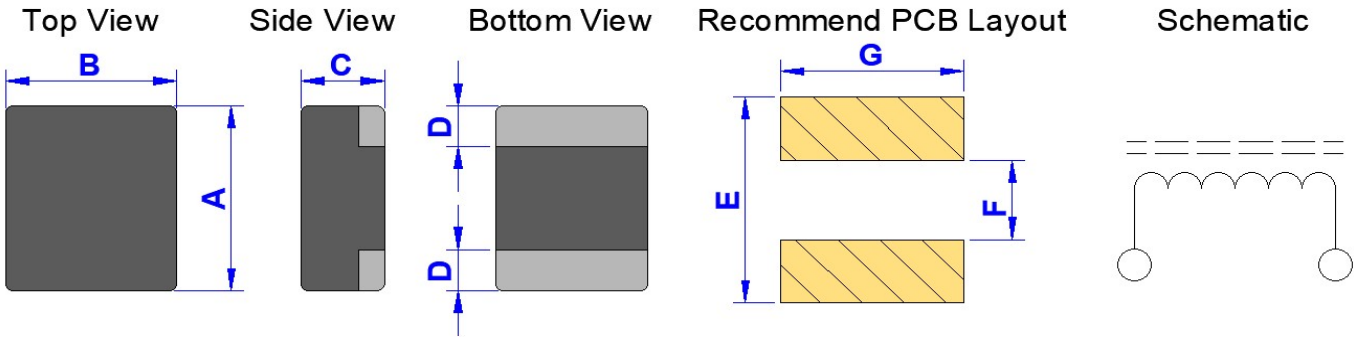


GSFH100765PG-2R6M



GSFH121065P-SERIES

Dimension [mm] :



Size Code	A (+/-0.2)	B (+/-0.2)	C (Max.)	D (+/-0.2)	E (Ref.)	F (Ref.)	G (Ref.)
121065P	1.20	1.00	0.65	0.40	1.30	0.30	1.10

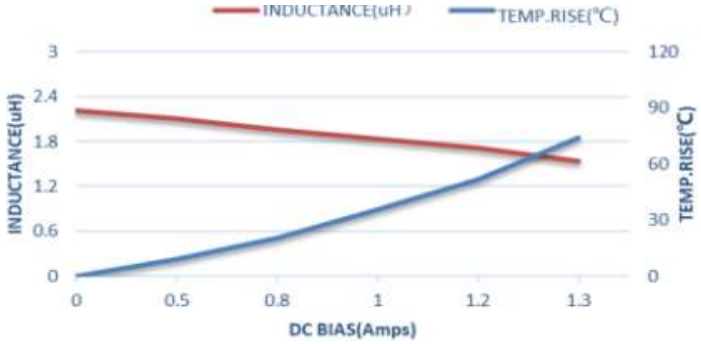
Electrical Characteristics :

Part No.	Inductance(uH)	Inductance Tolerance	DCR(m Ohm)		Irms(A)		Isat(A)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
GSFH121065PB-2R2M	2.20	M	280.00	340.00	1.00	0.90	1.30	1.20

* **Inductance Test Condition :** @1MHz , 1.0Vrms , 25℃ Ambient
* **Inductance Tolerance :** M = +/-20%
* **Irms :** Rated Current Loading when temperature rise approximately ΔT of 40℃
* **Isat :** Saturated Current measured at the point of L drop approximately 30%
* **The part temperature (ambient + temp rise) :** should not exceed 125℃ under worst case operating conditions. Circuit design, component,PCB trace size and thickness,airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
* **The rated current as listed :** is either the saturation current or the heating current depending on which value is lower.

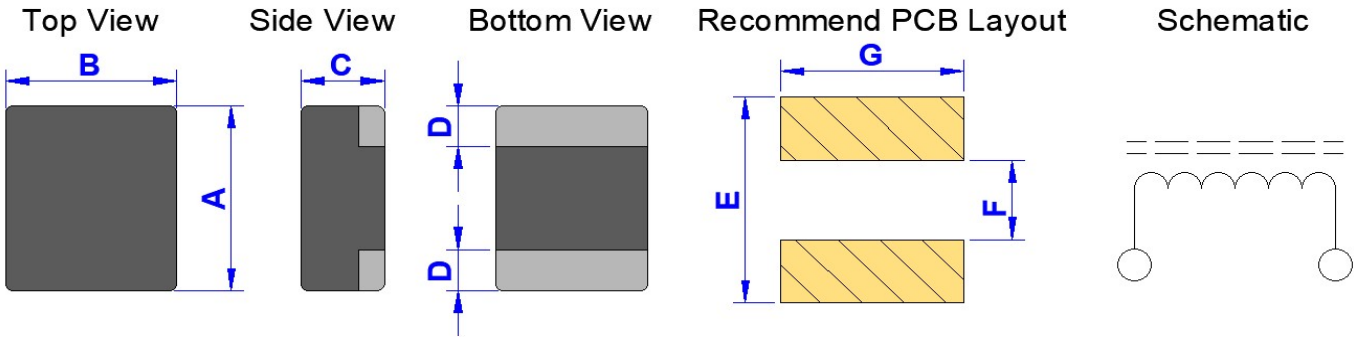
Typical Performance Curves :

GSFH121065PB-2R2M



GSFH160806P-SERIES

Dimension [mm] :



Size Code	A (+/-0.2)	B (+/-0.2)	C (Max.)	D (+/-0.2)	E (Ref.)	F (Ref.)	G (Ref.)
160806P	1.60	0.80	0.60	0.50	1.70	0.50	0.90

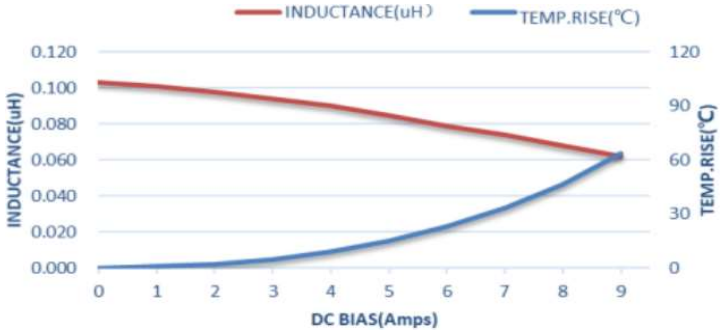
Electrical Characteristics :

Part No.	Inductance(uH)	Inductance Tolerance	DCR(m Ohm)		Irms(A)		Isat(A)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
GSFH160806PG-R10M	0.10	M	16.50	20.00	6.50	6.00	6.50	6.00

* **Inductance Test Condition :** @1MHz , 1.0Vrms , 25℃ Ambient
* **Inductance Tolerance :** M = +/-20%
* **Irms :** Rated Current Loading when temperature rise approximately ΔT of 40℃
* **Isat :** Saturated Current measured at the point of L drop approximately 30%
* **The part temperature (ambient + temp rise) :** should not exceed 125℃ under worst case operating conditions. Circuit design, component,PCB trace size and thickness,airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
* **The rated current as listed :** is either the saturation current or the heating current depending on which value is lower.

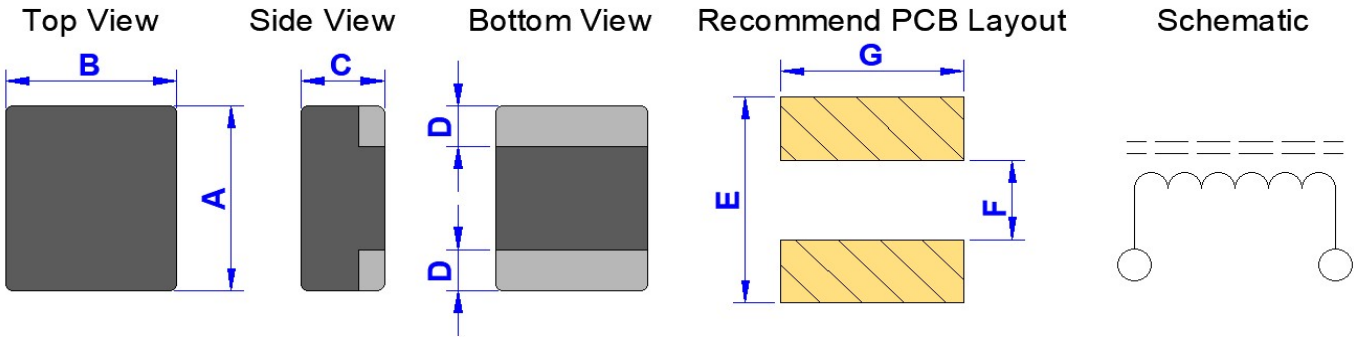
Typical Performance Curves :

GSFH160806PG-R10M



GSFH160865P-SERIES

Dimension [mm] :



Size Code	A (+/-0.2)	B (+/-0.2)	C (Max.)	D (+/-0.2)	E (Ref.)	F (Ref.)	G (Ref.)
160865P	1.60	0.80	0.65	0.50	1.70	0.50	0.90

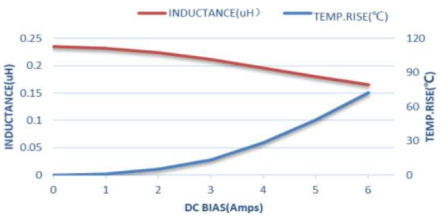
Electrical Characteristics :

Part No.	Inductance(uH)	Inductance Tolerance	DCR(m Ohm)		Irms(A)		Isat(A)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
GSFH160865PG-R22M	0.22	M	35.00	43.00	4.00	3.50	5.00	4.50
GSFH160865PG-R47M	0.47	M	66.00	82.00	2.30	2.00	3.30	3.00
GSFH160865PG-1R0M	1.00	M	180.00	200.00	1.80	1.50	2.40	2.00
GSFH160865PB-2R2M	2.20	M	390.00	430.00	1.30	1.10	1.60	1.30

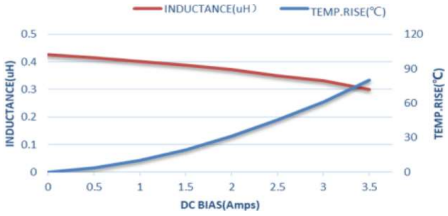
* **Inductance Test Condition :** @1MHz , 1.0Vrms , 25℃ Ambient
* **Inductance Tolerance :** M = +/-20%
* **Irms :** Rated Current Loading when temperature rise approximately ΔT of 40℃
* **Isat :** Saturated Current measured at the point of L drop approximately 30%
* **The part temperature (ambient + temp rise) :** should not exceed 125℃ under worst case operating conditions. Circuit design, component,PCB trace size and thickness,airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
* **The rated current as listed :** is either the saturation current or the heating current depending on which value is lower.

Typical Performance Curves :

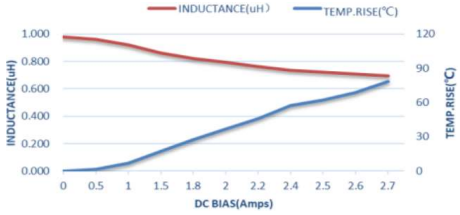
GSFH160865PG-R22M



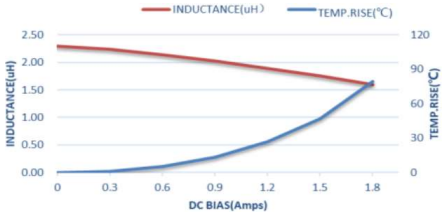
GSFH160865PG-R47M



GSFH160865PG-1R0M

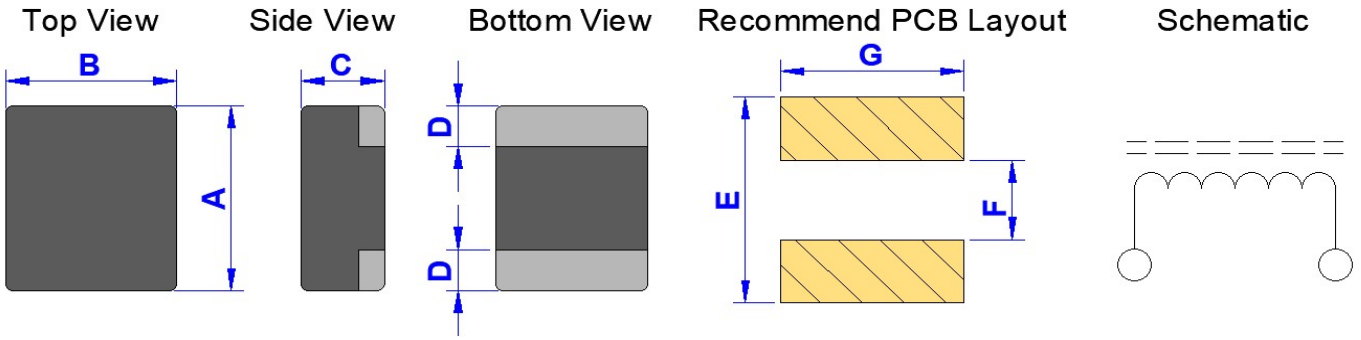


GSFH160865PB-2R2M



GSFH160808P-SERIES

Dimension [mm] :



Size Code	A (+/-0.2)	B (+/-0.2)	C (Max.)	D (+/-0.2)	E (Ref.)	F (Ref.)	G (Ref.)
160808P	1.60	0.80	0.80	0.50	1.70	0.50	0.90

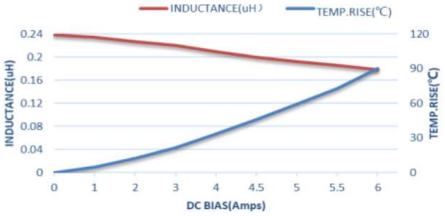
Electrical Characteristics :

Part No.	Inductance(uH)	Inductance Tolerance	DCR(m Ohm)		Irms(A)		Isat(A)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
GSFH160808PB-R22M	0.22	M	33.00	40.00	3.40	3.00	5.50	5.00
GSFH160808PB-R24M	0.24	M	34.00	41.00	3.30	2.90	5.30	4.80
GSFH160808PB-R47M	0.47	M	80.00	100.00	2.60	2.30	4.10	3.70
GSFH160808PB-R56M	0.56	M	85.00	110.00	2.20	1.90	4.00	3.50
GSFH160808PB-R68M	0.68	M	110.00	130.00	2.10	1.90	3.30	3.00
GSFH160808PB-1R0M	1.00	M	180.00	200.00	2.10	1.80	3.00	2.60
GSFH160808PB-1R5M	1.50	M	240.00	285.00	1.70	1.40	2.40	2.00
GSFH160808PG-2R2M	2.20	M	220.00	260.00	1.40	1.20	1.50	1.30
GSFH160808PB-3R3M	3.30	M	500.00	600.00	1.00	0.90	1.40	1.20
GSFH160808PB-4R7M	4.70	M	585.00	700.00	1.00	0.80	1.20	1.00
GSFH160808PB-100M	10.00	M	1450.00	1600.00	0.50	0.45	0.80	0.70

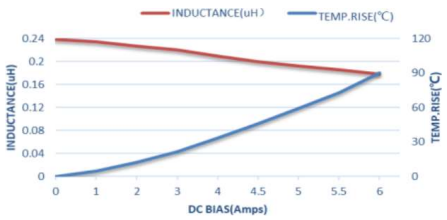
* **Inductance Test Condition :** @1MHz , 1.0Vrms , 25℃ Ambient
* **Inductance Tolerance :** M = +/-20%
* **Irms :** Rated Current Loading when temperature rise approximately ΔT of 40℃
* **Isat :** Saturated Current measured at the point of L drop approximately 30%
* **The part temperature (ambient + temp rise) :** should not exceed 125℃ under worst case operating conditions. Circuit design, component,PCB trace size and thickness,airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
* **The rated current as listed :** is either the saturation current or the heating current depending on which value is lower.

Typical Performance Curves :

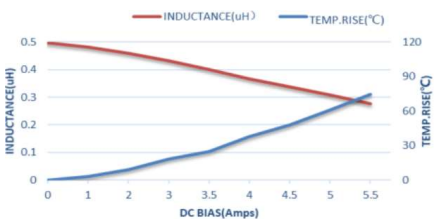
GSFH160808PB-R22M



GSFH160808P-R24M



GSFH160808PB-R47M



GSFH160808P-SERIES

Typical Performance Curves :

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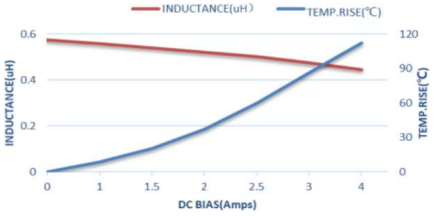
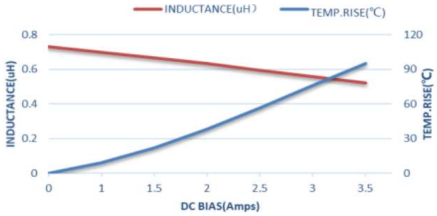
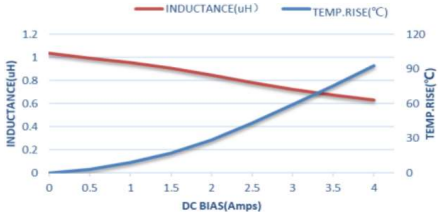


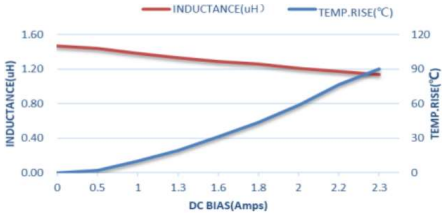
GSFH160808PB-R68M



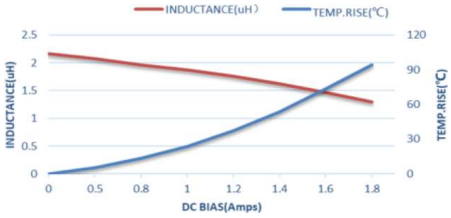
GSFH160808PB-1R0M



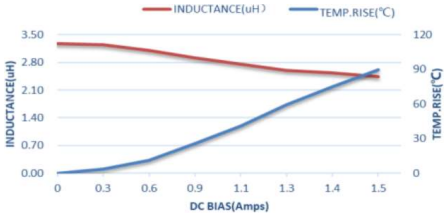
GSFH160808PB-1R5M



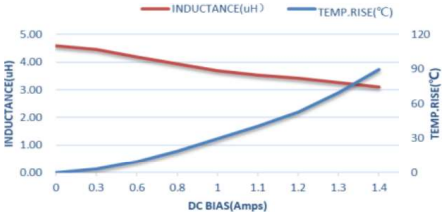
GSFH160808PG-2R2M



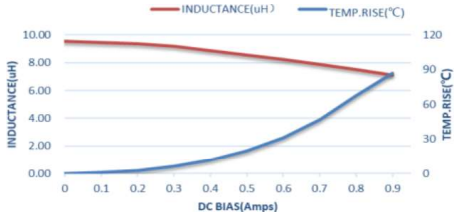
GSFH160808PB-3R3M



GSFH160808PB-4R7M

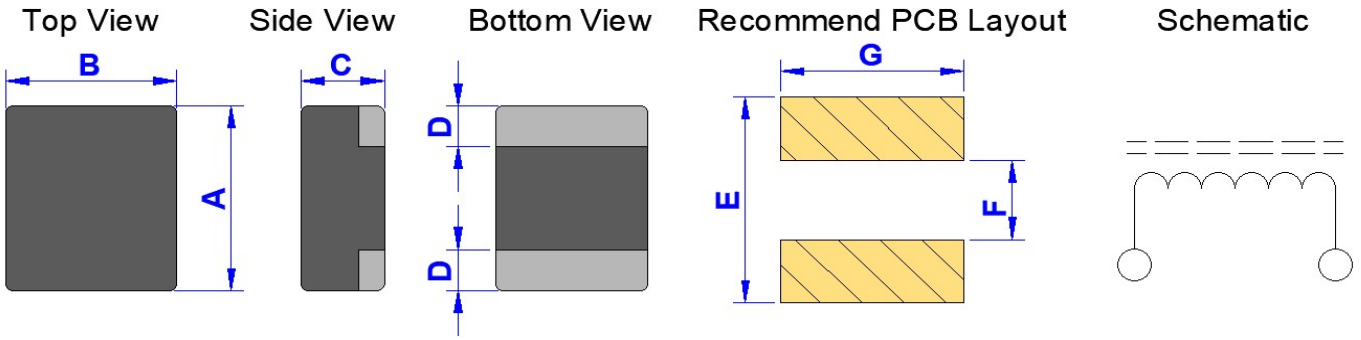


GSFH160808PB-100M



GSFH141265P-SERIES

Dimension [mm] :



Size Code	A (+/-0.2)	B (+/-0.2)	C (Max.)	D (+/-0.2)	E (Ref.)	F (Ref.)	G (Ref.)
141265P	1.40	1.20	0.65	0.45	1.50	0.40	1.30

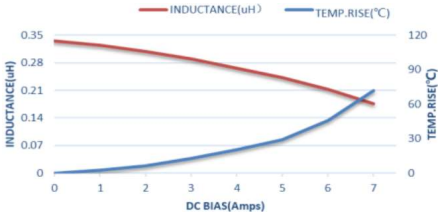
Electrical Characteristics :

Part No.	Inductance(uH)	Inductance Tolerance	DCR(m Ohm)		Irms(A)		Isat(A)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
GSFH141265PB-R33M	0.33	M	26.00	32.00	4.40	4.20	4.40	4.00
GSFH141265PG-R33M	0.33	M	26.00	32.00	4.40	4.20	4.40	4.00
GSFH141265PB-R47M	0.47	M	37.00	45.00	3.00	2.70	3.40	3.00
GSFH141265PG-R47M	0.47	M	37.00	45.00	3.00	2.70	3.40	3.00

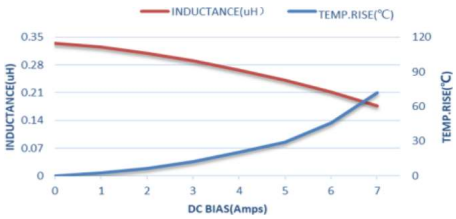
* **Inductance Test Condition :** @1MHz , 1.0Vrms , 25℃ Ambient
* **Inductance Tolerance :** M = +/-20%
* **Irms :** Rated Current Loading when temperature rise approximately ΔT of 40℃
* **Isat :** Saturated Current measured at the point of L drop approximately 30%
* **The part temperature (ambient + temp rise) :** should not exceed 125℃ under worst case operating conditions. Circuit design, component,PCB trace size and thickness,airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
* **The rated current as listed :** is either the saturation current or the heating current depending on which value is lower.

Typical Performance Curves :

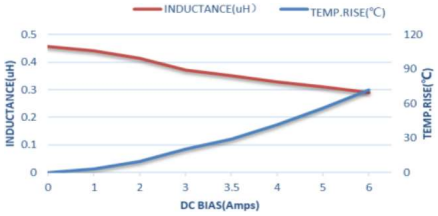
GSFH141265PB-R33M



GSFH141265PG-R33M



GSFH141265PB-R47M



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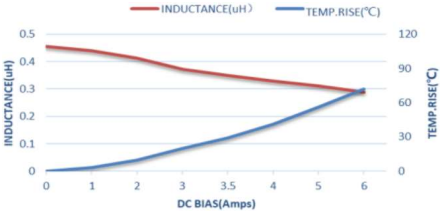
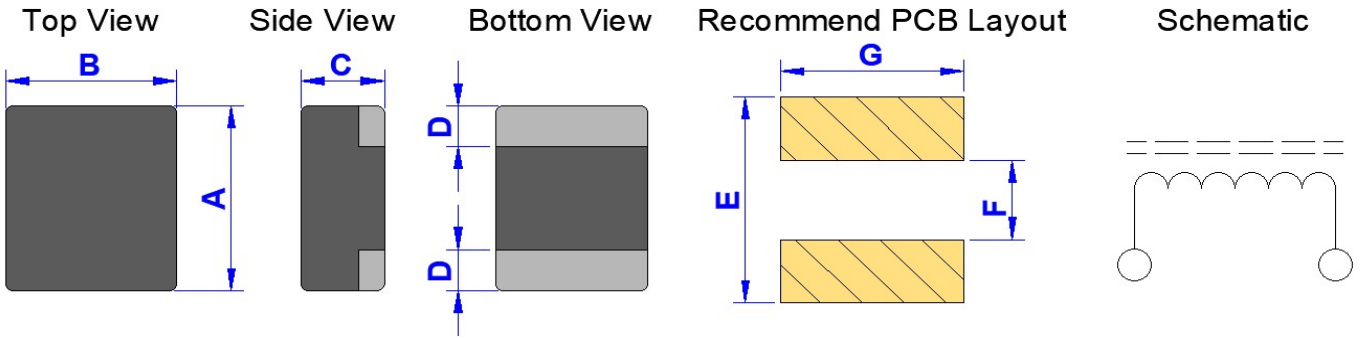


GSFH141207P-SERIES

Dimension [mm] :



Size Code	A (+/-0.2)	B (+/-0.2)	C (Max.)	D (+/-0.2)	E (Ref.)	F (Ref.)	G (Ref.)
141207P	1.40	1.20	0.70	0.45	1.50	0.40	1.30

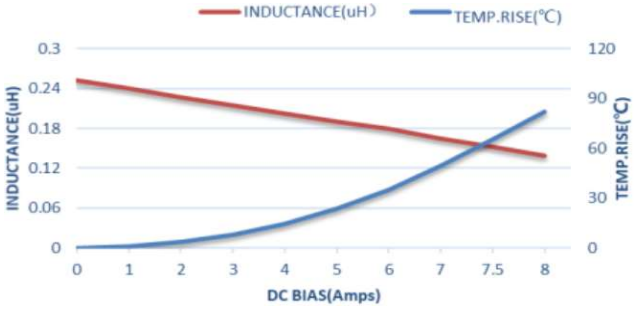
Electrical Characteristics :

Part No.	Inductance(uH)	Inductance Tolerance	DCR(m Ohm)		Irms(A)		Isat(A)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
GSFH141207PB-R24M	0.24	M	22.00	28.00	4.00	3.60	4.60	4.30
GSFH141207PB-R47M	0.47	M	34.00	38.00	3.80	3.30	3.80	3.50

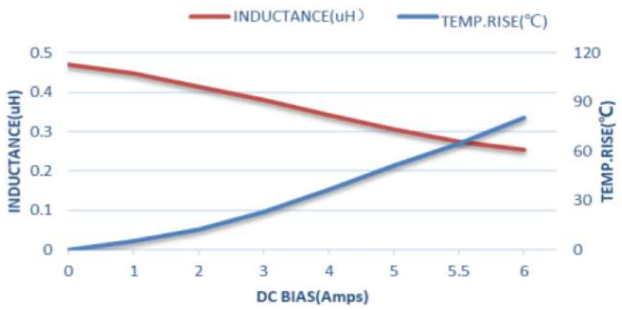
* **Inductance Test Condition :** @1MHz , 1.0Vrms , 25℃ Ambient
* **Inductance Tolerance :** M = +/-20%
* **Irms :** Rated Current Loading when temperature rise approximately ΔT of 40℃
* **Isat :** Saturated Current measured at the point of L drop approximately 30%
* **The part temperature (ambient + temp rise) :** should not exceed 125℃ under worst case operating conditions. Circuit design, component,PCB trace size and thickness,airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
* **The rated current as listed :** is either the saturation current or the heating current depending on which value is lower.

Typical Performance Curves :

GSFH141207PB-R24M

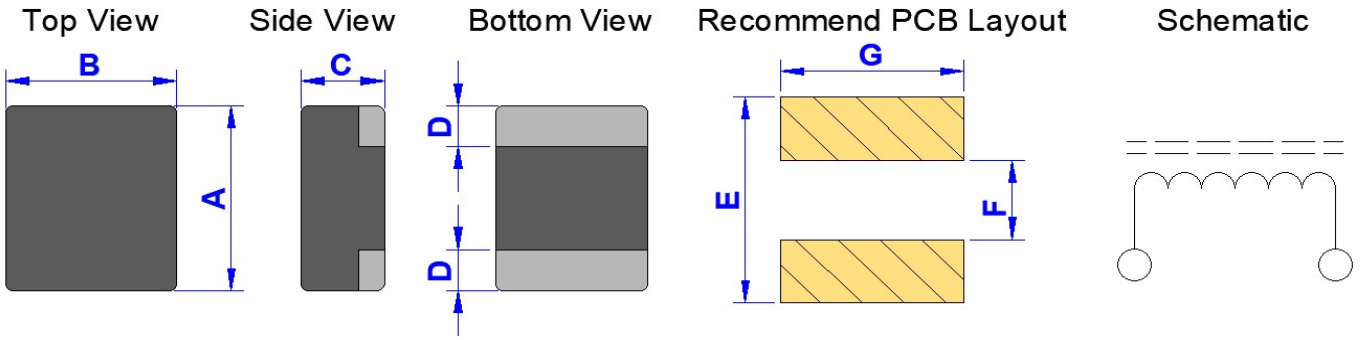


GSFH141207PB-R47M



GSFH141208P-SERIES

Dimension [mm] :



Size Code	A (+/-0.2)	B (+/-0.2)	C (Max.)	D (+/-0.2)	E (Ref.)	F (Ref.)	G (Ref.)
141208P	1.40	1.20	0.80	0.45	1.50	0.40	1.30

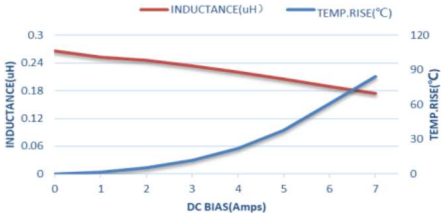
Electrical Characteristics :

Part No.	Inductance(uH)	Inductance Tolerance	DCR(m Ohm)		Irms(A)		Isat(A)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
GSFH141208PB-R24M	0.24	M	22.00	27.00	4.10	3.70	6.00	5.70
GSFH141208PB-R33M	0.33	M	23.00	28.00	4.00	3.50	5.30	5.00
GSFH141208PG-R33M	0.33	M	23.00	28.00	4.00	3.50	5.30	5.00
GSFH141208PB-R47M	0.47	M	29.00	35.00	3.80	3.30	4.60	4.20
GSFH141208PG-R47M	0.47	M	29.00	35.00	3.80	3.30	4.60	4.20
GSFH141208PB-1R0M	1.00	M	65.00	77.00	3.00	2.50	3.00	2.50

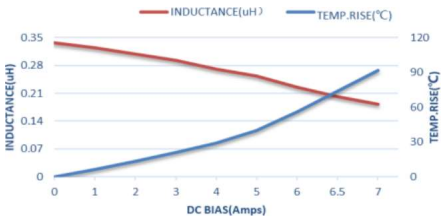
* **Inductance Test Condition :** @1MHz , 1.0Vrms , 25℃ Ambient
* **Inductance Tolerance :** M = +/-20%
* **Irms :** Rated Current Loading when temperature rise approximately ΔT of 40℃
* **Isat :** Saturated Current measured at the point of L drop approximately 30%
* **The part temperature (ambient + temp rise) :** should not exceed 125℃ under worst case operating conditions. Circuit design, component,PCB trace size and thickness,airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
* **The rated current as listed :** is either the saturation current or the heating current depending on which value is lower.

Typical Performance Curves :

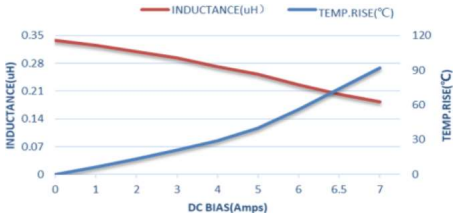
GSFH141208PB-R24M



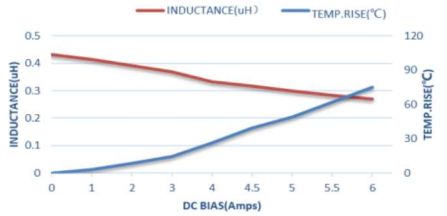
GSFH141208PB-R33M



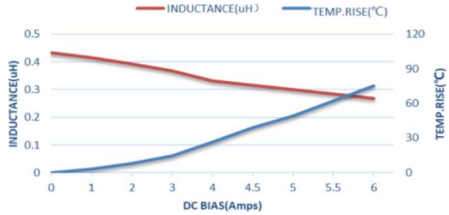
GSFH141208PG-R33M



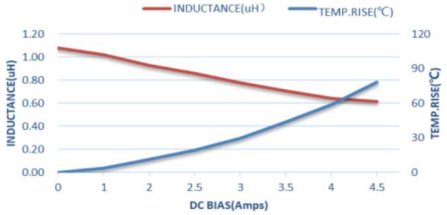
GSFH141208PB-R47M



GSFH141208PG-R47M

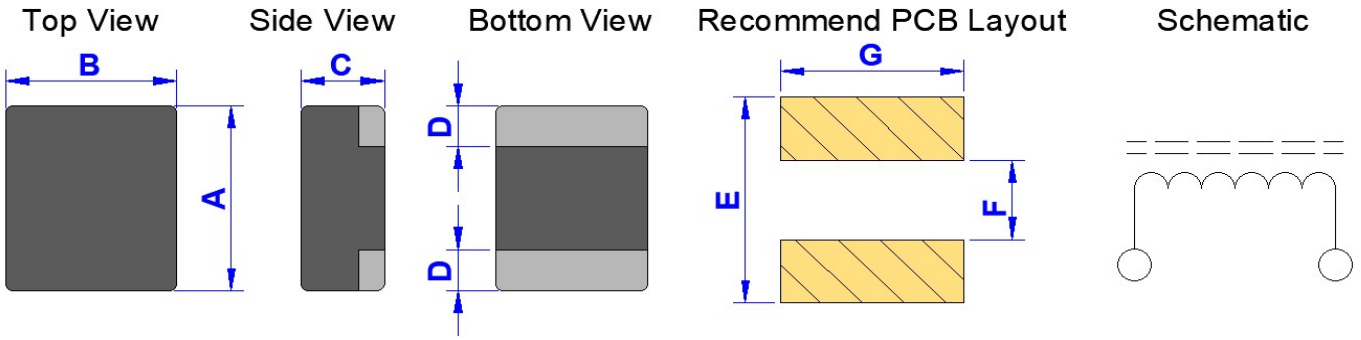


GSFH141208PB-1R0M



GSFH201206P-SERIES

Dimension [mm] :



Size Code	A (+/-0.2)	B (+/-0.2)	C (Max.)	D (+/-0.2)	E (Ref.)	F (Ref.)	G (Ref.)
201206P	2.00	1.20	0.60	0.70	2.10	0.50	1.30

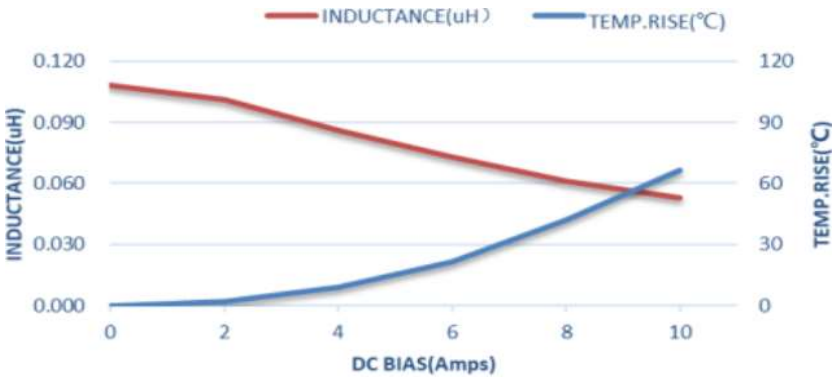
Electrical Characteristics :

Part No.	Inductance(uH)	Inductance Tolerance	DCR(m Ohm)		Irms(A)		Isat(A)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
GSFH201206PG-R11M	0.11	M	12.50	15.00	7.50	7.00	5.20	4.80

* **Inductance Test Condition :** @1MHz , 1.0Vrms , 25℃ Ambient
* **Inductance Tolerance :** M = +/-20%
* **Irms :** Rated Current Loading when temperature rise approximately ΔT of 40℃
* **Isat :** Saturated Current measured at the point of L drop approximately 30%
* **The part temperature (ambient + temp rise) :** should not exceed 125℃ under worst case operating conditions. Circuit design, component,PCB trace size and thickness,airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
* **The rated current as listed :** is either the saturation current or the heating current depending on which value is lower.

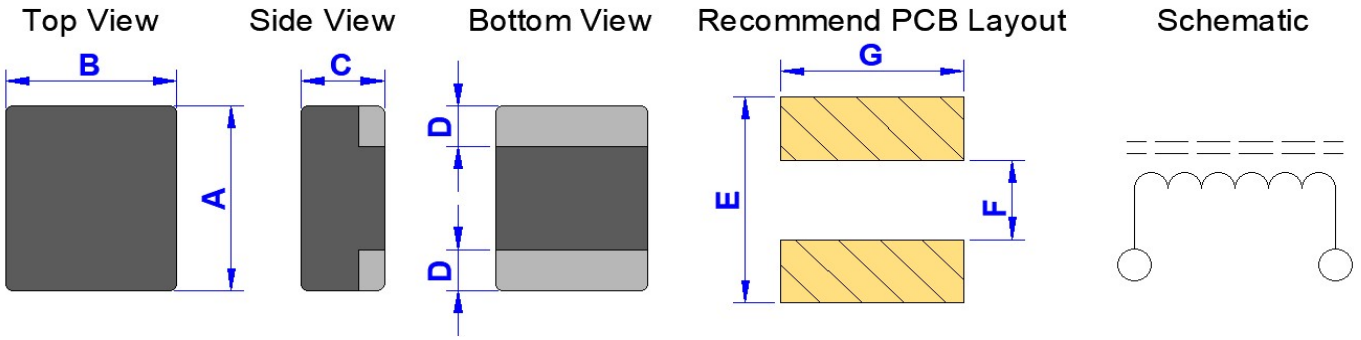
Typical Performance Curves :

GSFH201206PG-R11M



GSFH201265P-SERIES

Dimension [mm] :



Size Code	A (+/-0.2)	B (+/-0.2)	C (Max.)	D (+/-0.2)	E (Ref.)	F (Ref.)	G (Ref.)
201265P	2.00	1.20	0.65	0.70	2.10	0.50	1.30

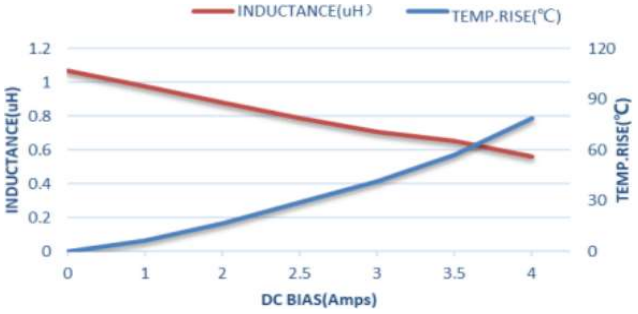
Electrical Characteristics :

Part No.	Inductance(uH)	Inductance Tolerance	DCR(m Ohm)		Irms(A)		Isat(A)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
GSFH201265PB-1R0M	1.00	M	78.00	86.00	2.60	2.30	2.80	2.50
GSFH201265PB-2R2M	2.20	M	215.00	230.00	1.70	1.40	1.80	1.50

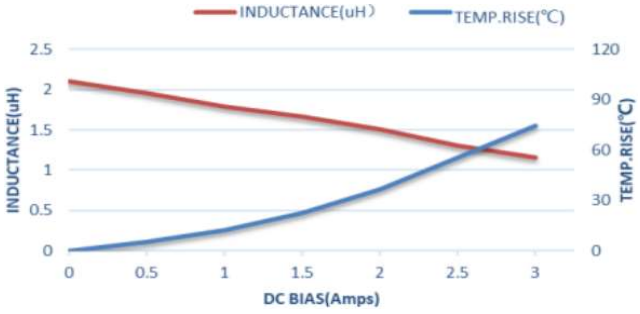
* **Inductance Test Condition :** @1MHz , 1.0Vrms , 25℃ Ambient
* **Inductance Tolerance :** M = +/-20%
* **Irms :** Rated Current Loading when temperature rise approximately ΔT of 40℃
* **Isat :** Saturated Current measured at the point of L drop approximately 30%
* **The part temperature (ambient + temp rise) :** should not exceed 125℃ under worst case operating conditions. Circuit design, component,PCB trace size and thickness,airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
* **The rated current as listed :** is either the saturation current or the heating current depending on which value is lower.

Typical Performance Curves :

GSFH201265PB-1R0M

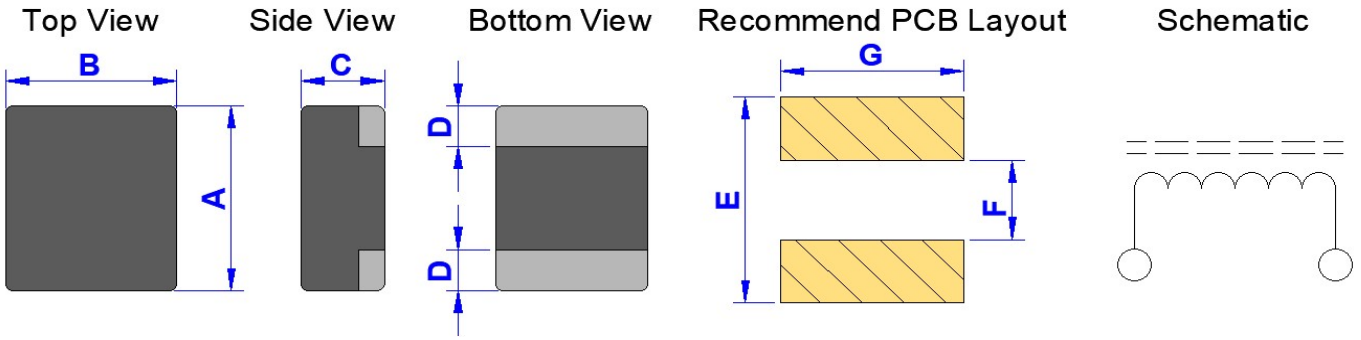


GSFH201265PB-2R2M



GSFH201208P-SERIES

Dimension [mm] :



Size Code	A (+/-0.2)	B (+/-0.2)	C (Max.)	D (+/-0.2)	E (Ref.)	F (Ref.)	G (Ref.)
201208P	2.00	1.20	0.80	0.70	2.10	0.50	1.30

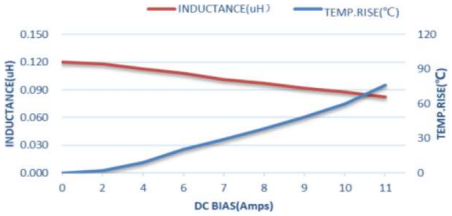
Electrical Characteristics :

Part No.	Inductance(uH)	Inductance Tolerance	DCR(m Ohm)		Irms(A)		Isat(A)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
GSFH201208PB-R11M	0.11	M	10.00	12.00	7.00	6.50	9.50	9.00
GSFH201208PB-R15M	0.15	M	11.00	13.00	6.80	6.30	7.50	7.00
GSFH201208PB-R24M	0.24	M	18.00	23.00	6.50	5.90	6.50	6.00
GSFH201208PG-R24M	0.24	M	18.00	23.00	6.50	5.90	6.50	6.00
GSFH201208PB-R33M	0.33	M	33.00	45.00	4.30	4.00	5.20	4.80
GSFH201208PB-R47M	0.47	M	34.00	50.00	3.50	3.30	5.00	4.60
GSFH201208PG-R47M	0.47	M	34.00	50.00	3.50	3.30	5.00	4.60
GSFH201208PB-R68M	0.68	M	50.00	60.00	3.70	3.30	4.20	3.70
GSFH201208PB-1R0M	1.00	M	55.00	70.00	3.30	2.90	4.00	3.50
GSFH201208PB-1R5M	1.50	M	118.00	135.00	2.20	1.90	3.00	2.50
GSFH201208PB-2R2M	2.20	M	160.00	185.00	2.20	1.80	2.60	2.30
GSFH201208PB-3R3M	3.30	M	253.00	300.00	1.80	1.50	1.90	1.60
GSFH201208PB-4R7M	4.70	M	285.00	325.00	1.70	1.50	1.60	1.40

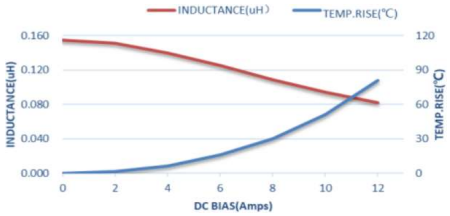
* **Inductance Test Condition :** @1MHz , 1.0Vrms , 25℃ Ambient
* **Inductance Tolerance :** M = +/-20%
* **Irms :** Rated Current Loading when temperature rise approximately ΔT of 40℃
* **Isat :** Saturated Current measured at the point of L drop approximately 30%
* **The part temperature (ambient + temp rise) :** should not exceed 125℃ under worst case operating conditions. Circuit design, component,PCB trace size and thickness,airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
* **The rated current as listed :** is either the saturation current or the heating current depending on which value is lower.

Typical Performance Curves :

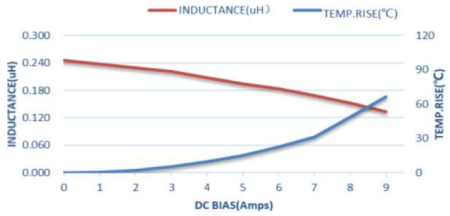
GSFH201208PB-R11M



GSFH201208PB-R15M



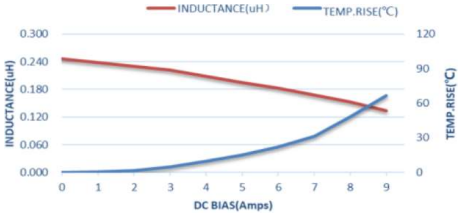
GSFH201208PB-R24M



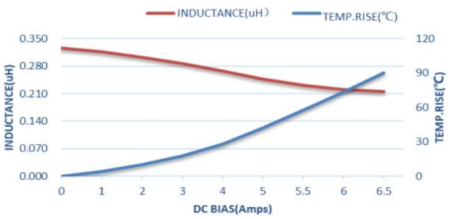
GSFH201208P-SERIES

Typical Performance Curves :

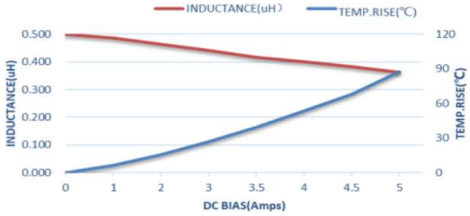
GSFH201208PG-R24M



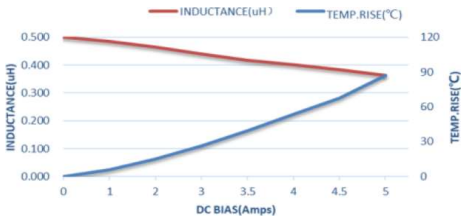
GSFH201208PB-R33M



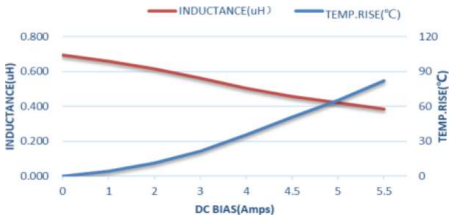
GSFH201208PB-R47M



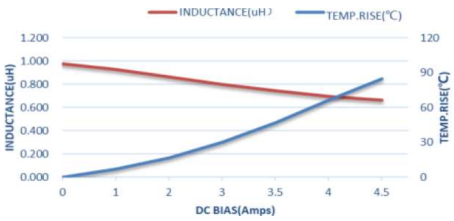
GSFH201208PG-R47M



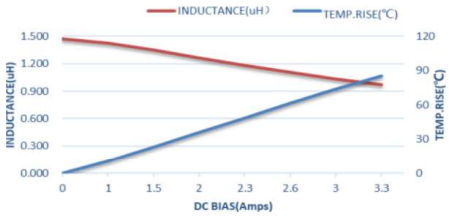
GSFH201208PB-R68M



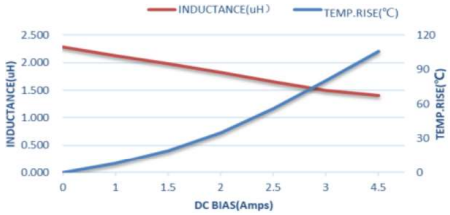
GSFH201208PB-1R0M



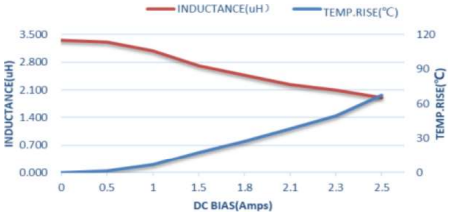
GSFH201208PB-1R5M



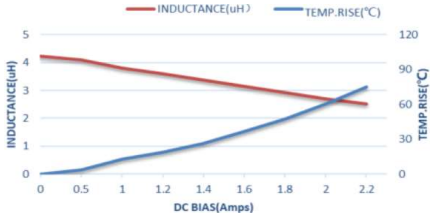
GSFH201208PB-2R2M



GSFH201208PB-3R3M

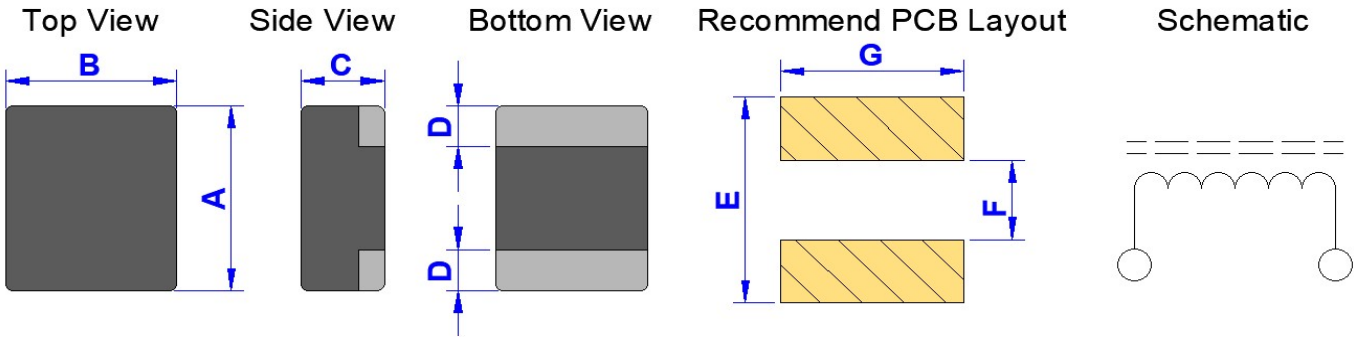


GSFH201208PB-4R7M



GSFH201210P-SERIES

Dimension [mm] :



Size Code	A (+/-0.2)	B (+/-0.2)	C (Max.)	D (+/-0.2)	E (Ref.)	F (Ref.)	G (Ref.)
201210P	2.00	1.20	1.00	0.70	2.10	0.50	1.30

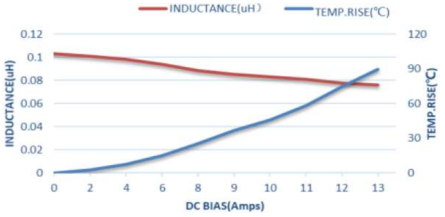
Electrical Characteristics :

Part No.	Inductance(uH)	Inductance Tolerance	DCR(m Ohm)		Irms(A)		Isat(A)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
GSFH201210PB-R10M	0.10	M	8.00	13.00	7.50	7.00	8.50	8.00
GSFH201210PB-R22M	0.22	M	16.00	22.00	7.10	6.50	7.30	6.80
GSFH201210PB-R24M	0.24	M	17.00	23.00	7.00	6.40	7.20	6.70
GSFH201210PB-R33M	0.33	M	24.00	32.00	5.50	5.00	6.50	6.00
GSFH201210PB-R47M	0.47	M	29.00	36.00	4.70	4.30	5.50	5.00
GSFH201210PB-R68M	0.68	M	37.00	43.00	4.30	4.00	5.00	4.50
GSFH201210PB-1R0M	1.00	M	55.00	63.00	3.90	3.50	4.00	3.50
GSFH201210PB-1R5M	1.50	M	76.00	85.00	3.10	2.60	3.20	2.70
GSFH201210PB-2R2M	2.20	M	135.00	150.00	2.00	1.70	2.70	2.40
GSFH201210PB-3R3M	3.30	M	210.00	260.00	1.80	1.50	2.20	1.80
GSFH201210PB-4R7M	4.70	M	275.00	300.00	1.60	1.40	1.80	1.60
GSFH201210PB-6R8M	6.80	M	440.00	520.00	1.50	1.30	1.45	1.20
GSFH201210PB-100M	10.00	M	600.00	660.00	1.10	1.00	1.20	1.00

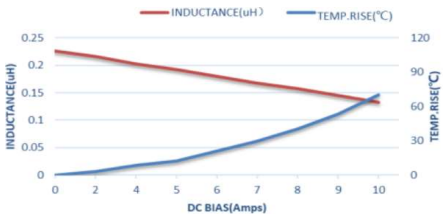
* **Inductance Test Condition :** @1MHz , 1.0Vrms , 25℃ Ambient
* **Inductance Tolerance :** M = +/-20%
* **Irms :** Rated Current Loading when temperature rise approximately ΔT of 40℃
* **Isat :** Saturated Current measured at the point of L drop approximately 30%
* **The part temperature (ambient + temp rise) :** should not exceed 125℃ under worst case operating conditions. Circuit design, component,PCB trace size and thickness,airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
* **The rated current as listed :** is either the saturation current or the heating current depending on which value is lower.

Typical Performance Curves :

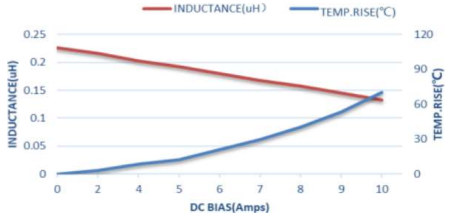
GSFH201210PB-R10M



GSFH201210PB-R22M



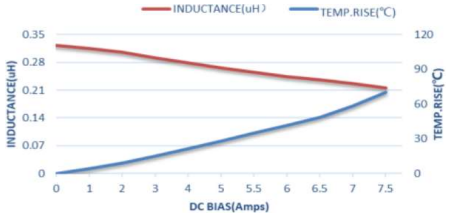
GSFH201210PB-R24M



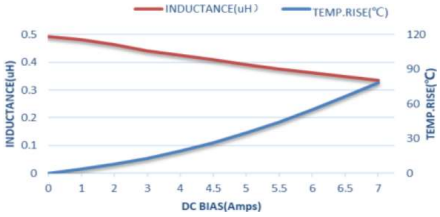
GSFH201210P-SERIES

Typical Performance Curves :

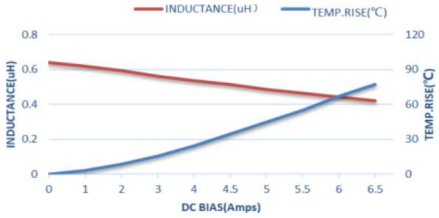
GSFH201210PB-R33M



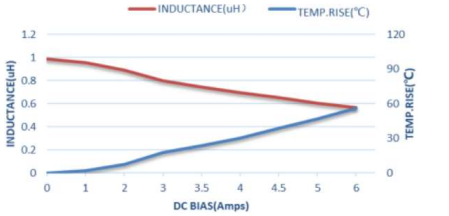
GSFH201210PB-R47M



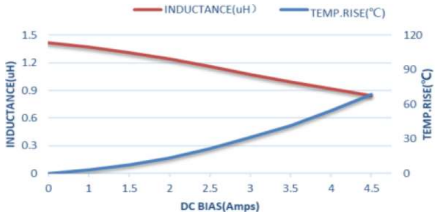
GSFH201210PB-R68M



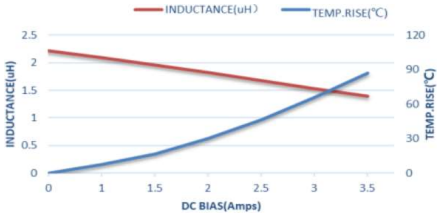
GSFH201210PB-1R0M



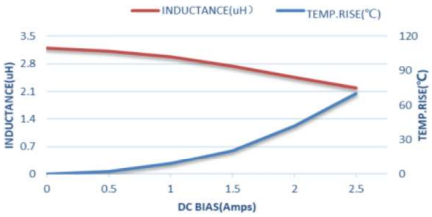
GSFH201210PB-1R5M



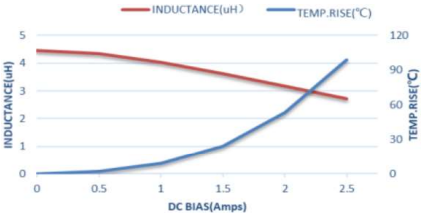
GSFH201210PB-2R2M



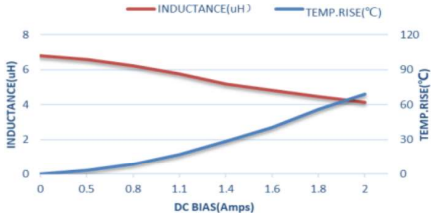
GSFH201210PB-3R3M



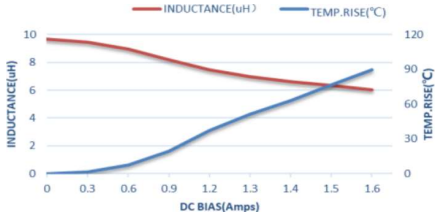
GSFH201210PB-4R7M



GSFH201210PB-6R8M

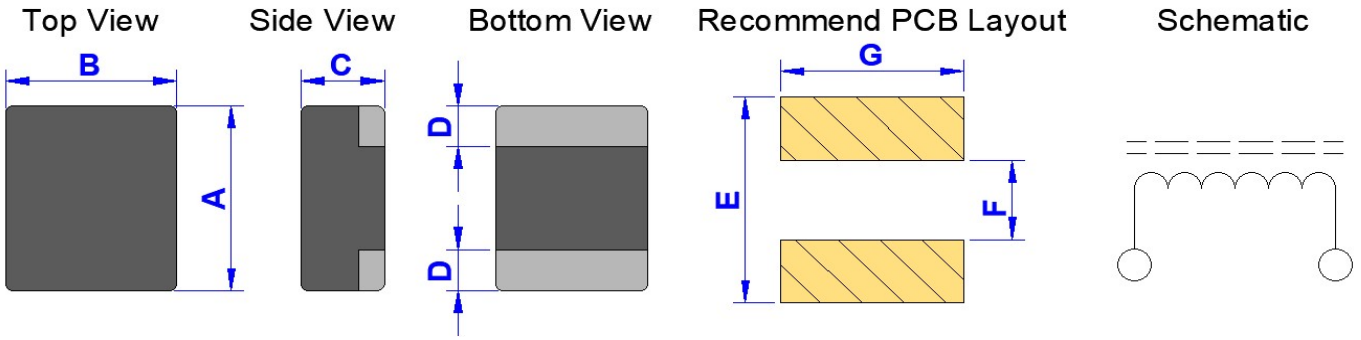


GSFH201210PB-100M



GSFH201212P-SERIES

Dimension [mm] :



Size Code	A (+/-0.2)	B (+/-0.2)	C (Max.)	D (+/-0.2)	E (Ref.)	F (Ref.)	G (Ref.)
201210P	2.00	1.20	1.20	0.70	2.10	0.50	1.30

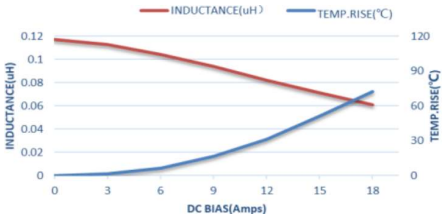
Electrical Characteristics :

Part No.	Inductance(uH)	Inductance Tolerance	DCR(m Ohm)		Irms(A)		Isat(A)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
GSFH201212PB-R11M	0.11	M	5.50	6.20	12.00	11.00	12.00	11.00
GSFH201212PB-R24M	0.24	M	13.00	16.00	7.50	7.00	9.00	8.50
GSFH201212PB-R47M	0.47	M	20.00	23.50	6.00	5.50	5.50	5.00
GSFH201212PB-3R3M	3.30	M	180.00	210.00	1.80	1.60	2.00	1.80

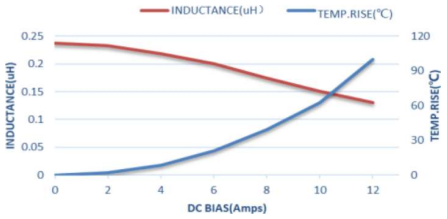
* **Inductance Test Condition :** @1MHz , 1.0Vrms , 25℃ Ambient
* **Inductance Tolerance :** M = +/-20%
* **Irms :** Rated Current Loading when temperature rise approximately ΔT of 40℃
* **Isat :** Saturated Current measured at the point of L drop approximately 30%
* **The part temperature (ambient + temp rise) :** should not exceed 125℃ under worst case operating conditions. Circuit design, component,PCB trace size and thickness,airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
* **The rated current as listed :** is either the saturation current or the heating current depending on which value is lower.

Typical Performance Curves :

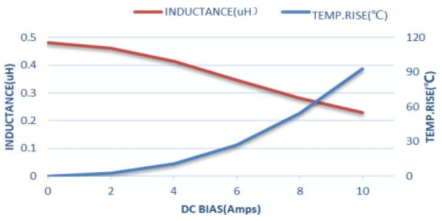
GSFH201212PB-R11M



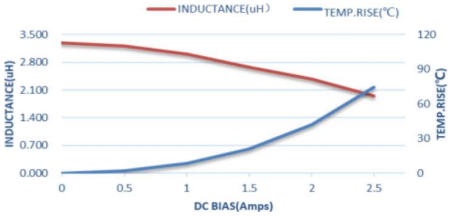
GSFH201212PB-R24M



GSFH201212PB-R47M

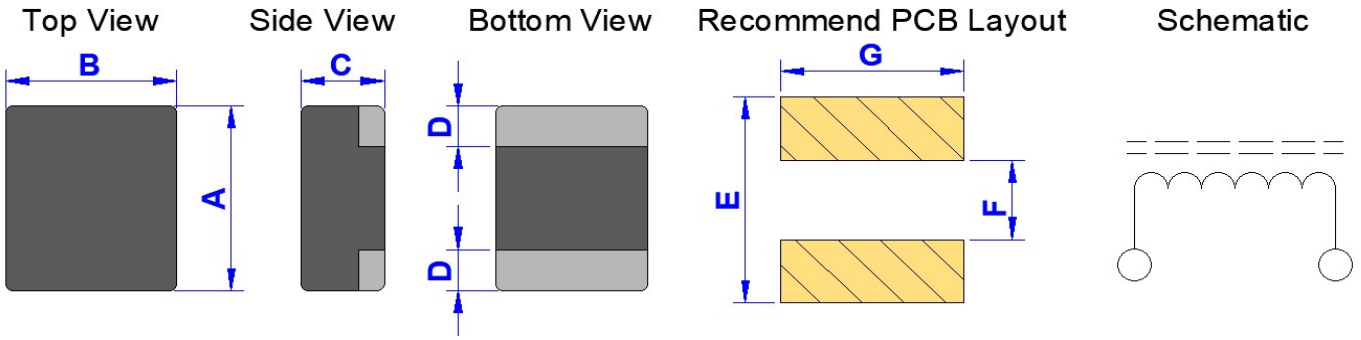


GSFH201212PB-3R3M



GSFH201655P-SERIES

Dimension [mm] :



Size Code	A (+/-0.2)	B (+/-0.2)	C (Max.)	D (+/-0.2)	E (Ref.)	F (Ref.)	G (Ref.)
201655P	2.00	1.60	0.55	0.70	2.10	0.50	1.70

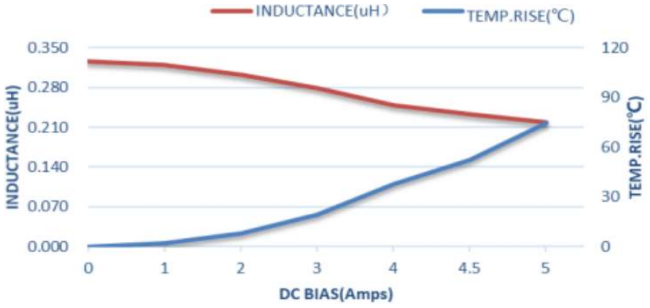
Electrical Characteristics :

Part No.	Inductance(uH)	Inductance Tolerance	DCR(m Ohm)		Irms(A)		Isat(A)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
GSFH201655PB-R33M	0.33	M	34.00	41.00	4.00	3.50	4.00	3.50
GSFH201655PB-R47M	0.47	M	44.00	53.00	3.50	3.00	3.50	3.00

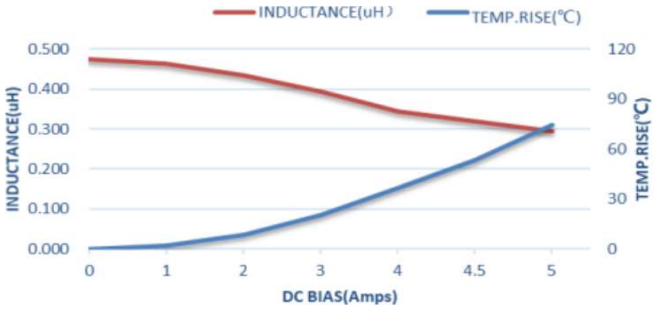
* **Inductance Test Condition :** @1MHz , 1.0Vrms , 25℃ Ambient
* **Inductance Tolerance :** M = +/-20%
* **Irms :** Rated Current Loading when temperature rise approximately ΔT of 40℃
* **Isat :** Saturated Current measured at the point of L drop approximately 30%
* **The part temperature (ambient + temp rise) :** should not exceed 125℃ under worst case operating conditions. Circuit design, component,PCB trace size and thickness,airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
* **The rated current as listed :** is either the saturation current or the heating current depending on which value is lower.

Typical Performance Curves :

GSFH201655PB-R33M

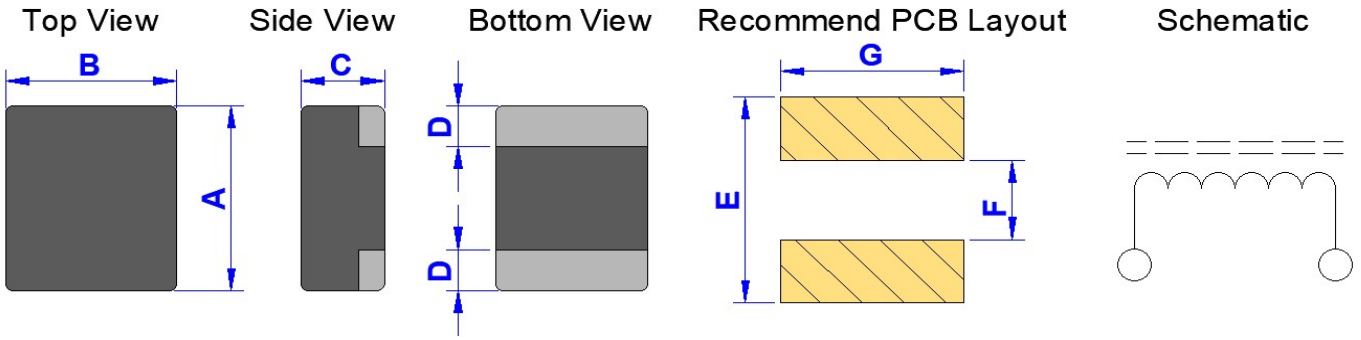


GSFH201655PB-R47M



GSFH201665P-SERIES

Dimension [mm] :



Size Code	A (+/-0.2)	B (+/-0.2)	C (Max.)	D (+/-0.2)	E (Ref.)	F (Ref.)	G (Ref.)
201665P	2.00	1.60	0.65	0.70	2.10	0.50	1.70

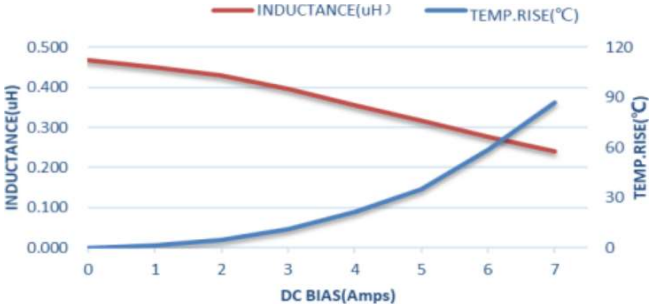
Electrical Characteristics :

Part No.	Inductance(uH)	Inductance Tolerance	DCR(m Ohm)		Irms(A)		Isat(A)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
GSFH201665PB-R47M	0.47	M	33.00	40.00	5.00	4.50	4.40	4.00
GSFH201665PB-1R0M	1.00	M	58.00	70.00	3.50	3.00	3.00	2.70

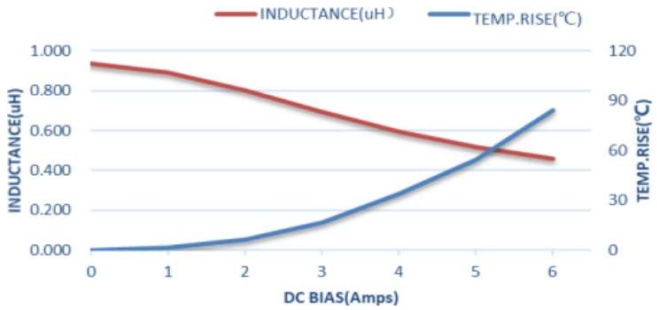
* **Inductance Test Condition :** @1MHz , 1.0Vrms , 25℃ Ambient
* **Inductance Tolerance :** M = +/-20%
* **Irms :** Rated Current Loading when temperature rise approximately ΔT of 40℃
* **Isat :** Saturated Current measured at the point of L drop approximately 30%
* **The part temperature (ambient + temp rise) :** should not exceed 125℃ under worst case operating conditions. Circuit design, component,PCB trace size and thickness,airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
* **The rated current as listed :** is either the saturation current or the heating current depending on which value is lower.

Typical Performance Curves :

GSFH201665PB-R47M

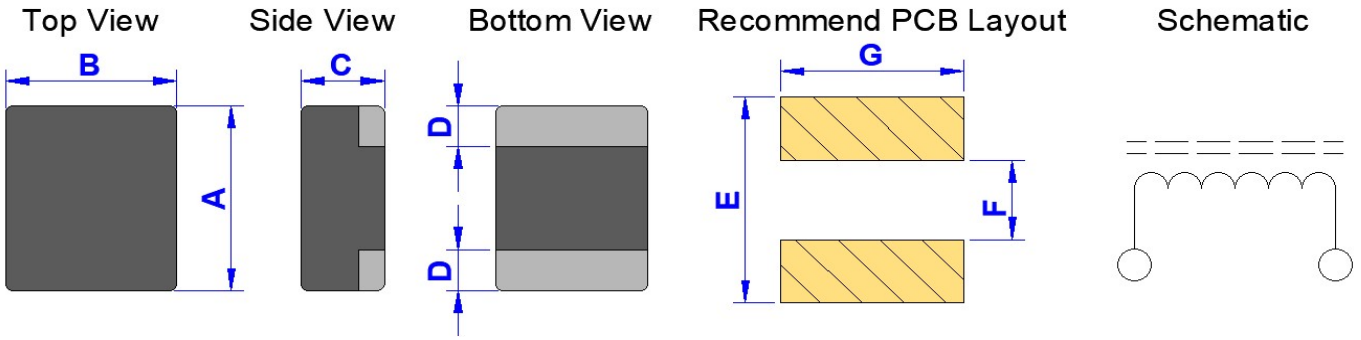


GSFH201665PB-1R0M



GSFH201607P-SERIES

Dimension [mm] :



Size Code	A (+/-0.2)	B (+/-0.2)	C (Max.)	D (+/-0.2)	E (Ref.)	F (Ref.)	G (Ref.)
201607P	2.00	1.60	0.70	0.70	2.10	0.50	1.70

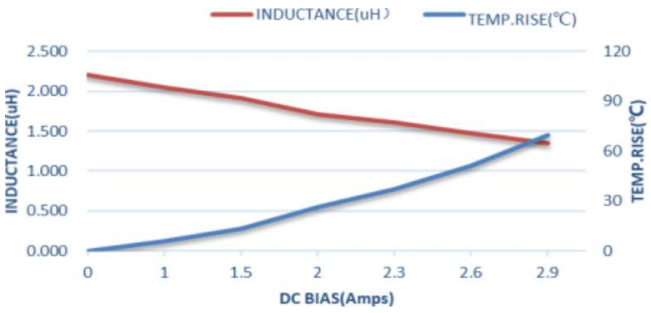
Electrical Characteristics :

Part No.	Inductance(uH)	Inductance Tolerance	DCR(m Ohm)		Irms(A)		Isat(A)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
GSFH201607PB-2R2M	2.20	M	150.00	175.00	2.10	1.80	2.30	2.00

* **Inductance Test Condition :** @1MHz , 1.0Vrms , 25℃ Ambient
* **Inductance Tolerance :** M = +/-20%
* **Irms :** Rated Current Loading when temperature rise approximately ΔT of 40℃
* **Isat :** Saturated Current measured at the point of L drop approximately 30%
* **The part temperature (ambient + temp rise) :** should not exceed 125℃ under worst case operating conditions. Circuit design, component,PCB trace size and thickness,airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
* **The rated current as listed :** is either the saturation current or the heating current depending on which value is lower.

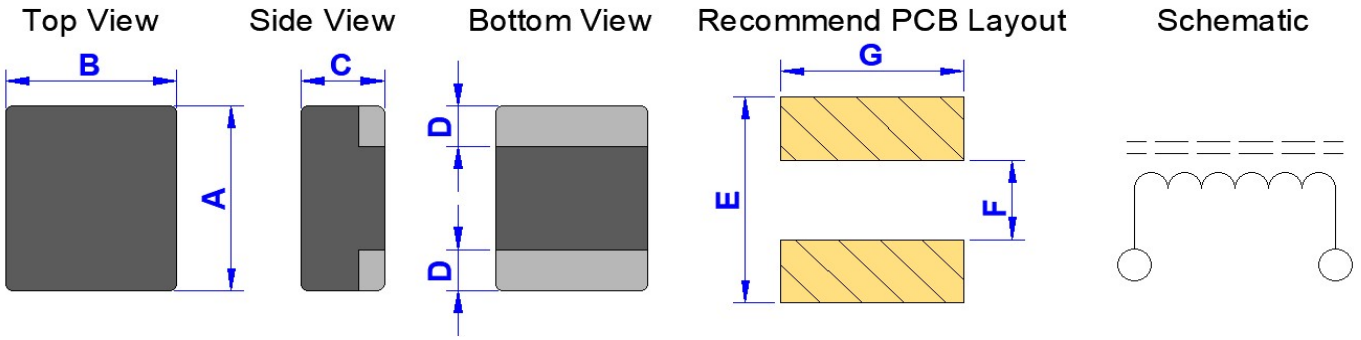
Typical Performance Curves :

GSFH201607PB-2R2M



GSFH201608P-SERIES

Dimension [mm] :



Size Code	A (+/-0.2)	B (+/-0.2)	C (Max.)	D (+/-0.2)	E (Ref.)	F (Ref.)	G (Ref.)
201608P	2.00	1.60	0.80	0.70	2.10	0.50	1.70

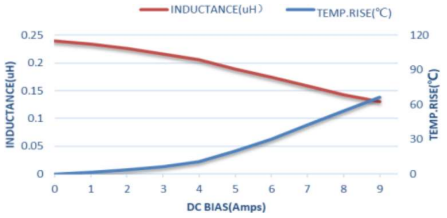
Electrical Characteristics :

Part No.	Inductance(uH)	Inductance Tolerance	DCR(m Ohm)		Irms(A)		Isat(A)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
GSFH201608PB-R22M	0.22	M	14.00	19.00	6.60	5.90	6.10	5.60
GSFH201608PB-R24M	0.24	M	14.00	20.00	6.50	5.80	6.00	5.50
GSFH201608PB-R33M	0.33	M	18.00	24.00	5.50	4.80	5.80	5.30
GSFH201608PB-R47M	0.47	M	24.00	27.00	4.60	4.40	5.50	5.00
GSFH201608PG-R47M	0.47	M	24.00	27.00	4.60	4.40	5.50	5.00
GSFH201608PB-R68M	0.68	M	39.00	44.00	3.80	3.50	4.60	4.20
GSFH201608PB-1R0M	1.00	M	53.00	60.00	3.60	3.30	3.30	3.10
GSFH201608PB-1R5M	1.50	M	73.00	85.00	3.10	2.80	3.00	2.80
GSFH201608PB-2R2M	2.20	M	123.00	140.00	2.20	2.00	2.50	2.30
GSFH201608PB-3R3M	3.30	M	200.00	220.00	1.80	1.50	2.10	1.80
GSFH201608PB-4R7M	4.70	M	260.00	290.00	1.60	1.40	1.70	1.50
GSFH201608PB-100M	10.00	M	690.00	800.00	1.00	0.90	1.00	0.90

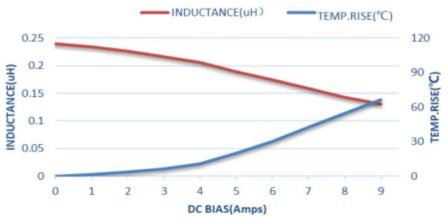
* **Inductance Test Condition :** @1MHz , 1.0Vrms , 25℃ Ambient
* **Inductance Tolerance :** M = +/-20%
* **Irms :** Rated Current Loading when temperature rise approximately ΔT of 40℃
* **Isat :** Saturated Current measured at the point of L drop approximately 30%
* **The part temperature (ambient + temp rise) :** should not exceed 125℃ under worst case operating conditions. Circuit design, component,PCB trace size and thickness,airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
* **The rated current as listed :** is either the saturation current or the heating current depending on which value is lower.

Typical Performance Curves :

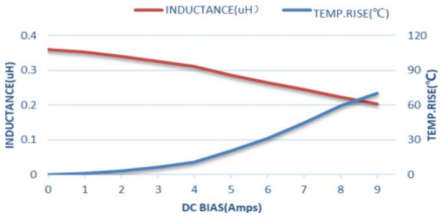
GSFH201608PB-R22M



GSFH201608PB-R24M



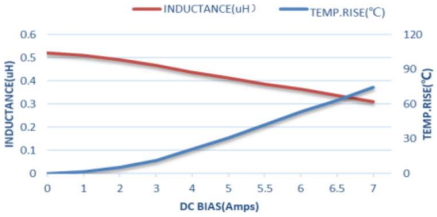
GSFH201608PB-R33M



GSFH201608P-SERIES

Typical Performance Curves :

GSFH201608PB-R47M



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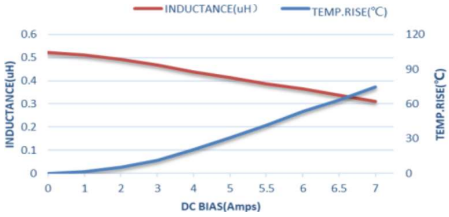
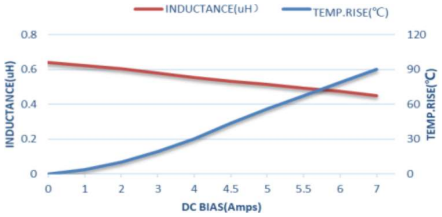


GSFH201608PB-R68M



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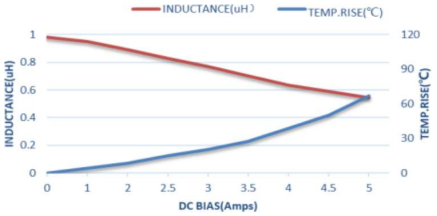

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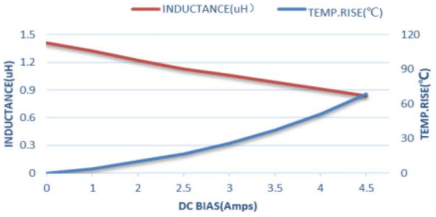
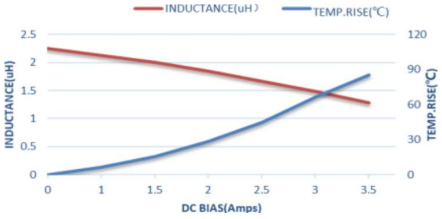
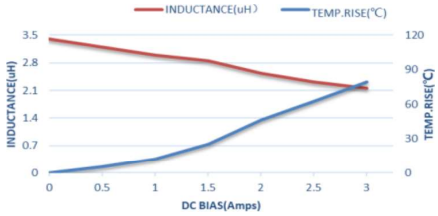


GSFH201608PB-2R2M



GSFH201608PB-3R3M



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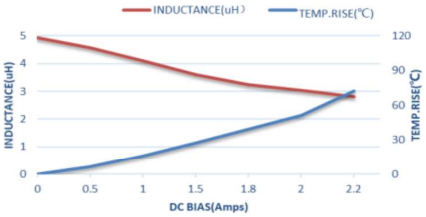
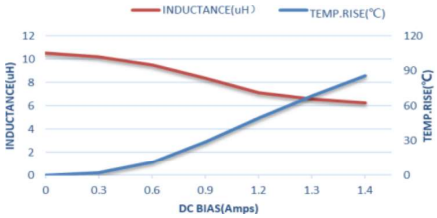
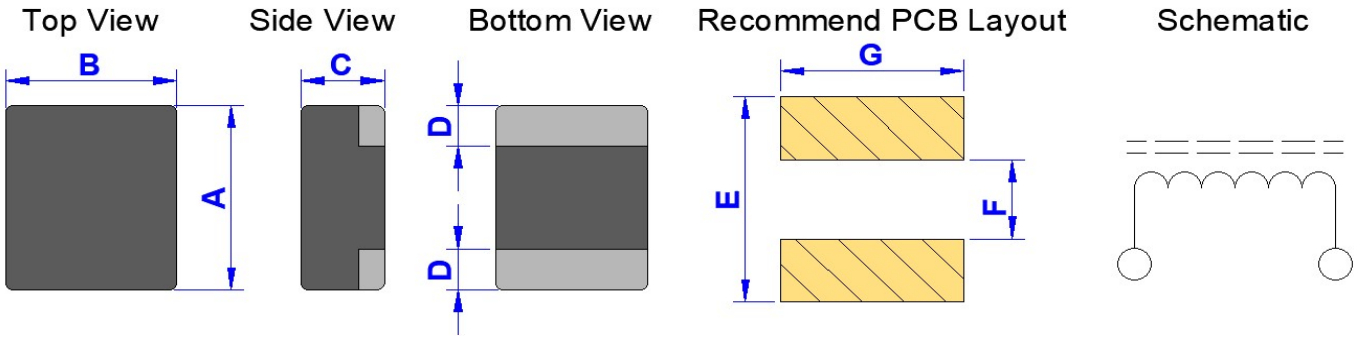


GSFH201608PB-100M



GSFH201610P-SERIES

Dimension [mm] :



Size Code	A (+/-0.2)	B (+/-0.2)	C (Max.)	D (+/-0.2)	E (Ref.)	F (Ref.)	G (Ref.)
201610P	2.00	1.60	1.00	0.70	2.10	0.50	1.70

Electrical Characteristics :

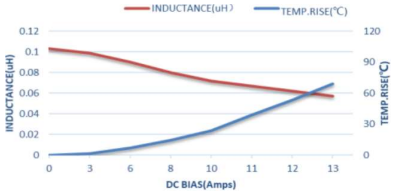
Part No.	Inductance(uH)	Inductance Tolerance	DCR(m Ohm)		Irms(A)		Isat(A)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
GSFH201610PB-R10M	0.10	M	7.00	12.00	8.50	8.00	9.00	8.40
GSFH201610PB-R11M	0.11	M	7.50	13.00	8.00	7.50	8.90	8.20
GSFH201610PB-R15M	0.15	M	8.00	14.00	7.60	7.00	8.70	8.00
GSFH201610PB-R22M	0.22	M	11.00	18.00	6.90	6.30	8.20	7.50
GSFH201610PB-R24M	0.24	M	12.00	19.00	6.80	6.20	8.00	7.40
GSFH201610PB-R33M	0.33	M	17.00	22.00	5.70	5.30	7.00	6.50
GSFH201610PG-R33M	0.33	M	17.00	22.00	5.70	5.30	7.00	6.50
GSFH201610PB-R47M	0.47	M	22.00	25.00	5.50	5.00	6.30	5.50
GSFH201610PG-R47M	0.47	M	22.00	25.00	5.50	5.00	6.30	5.50
GSFH201610PB-R56M	0.56	M	19.00	23.00	7.50	7.00	5.50	5.00
GSFH201610PB-R68M	0.68	M	25.00	32.00	4.60	4.30	5.20	4.70
GSFH201610PB-1R0M	1.00	M	35.00	43.00	4.50	4.10	4.60	4.20
GSFH201610PG-1R0M	1.00	M	35.00	43.00	4.50	4.10	4.60	4.20
GSFH201610PB-1R5M	1.50	M	80.00	100.00	2.60	2.30	3.20	2.90
GSFH201610PB-2R2M	2.20	M	120.00	130.00	2.50	2.10	3.00	2.80
GSFH201610PG-2R2M	2.20	M	120.00	130.00	2.50	2.10	3.00	2.80
GSFH201610PB-2R2M	2.20	M	115.00	125.00	2.50	2.20	3.30	3.00
GSFH201610PB-3R3M	3.30	M	140.00	170.00	1.70	1.50	2.30	2.00
GSFH201610PB-4R7M	4.70	M	190.00	220.00	1.60	1.40	2.00	1.80
GSFH201610PG-4R7M	4.70	M	190.00	220.00	1.60	1.40	2.00	1.80
GSFH201610PB-6R8M	6.80	M	320.00	350.00	1.70	1.50	1.70	1.50
GSFH201610PB-100M	10.00	M	483.00	580.00	1.00	0.70	1.40	1.10

* **Inductance Test Condition :** @1MHz , 1.0Vrms , 25℃ Ambient
* **Inductance Tolerance :** M = +/-20%
* **Irms :** Rated Current Loading when temperature rise approximately ΔT of 40℃
* **Isat :** Saturated Current measured at the point of L drop approximately 30%
* **The part temperature (ambient + temp rise) :** should not exceed 125℃ under worst case operating conditions. Circuit design, component,PCB trace size and thickness,airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
* **The rated current as listed :** is either the saturation current or the heating current depending on which value is lower.

GSFH201610P-SERIES

Typical Performance Curves :

GSFH201610PB-R10M



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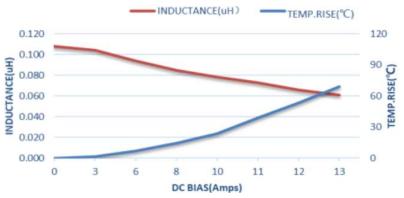

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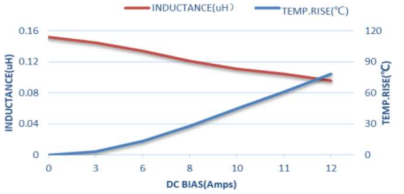
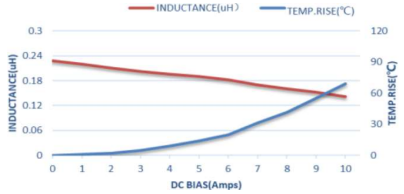


GSFH201610PB-R22M



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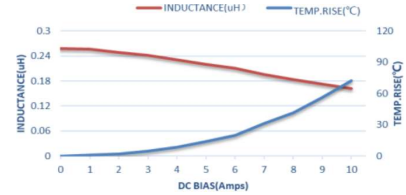

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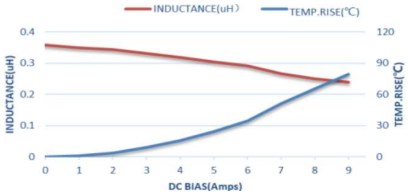

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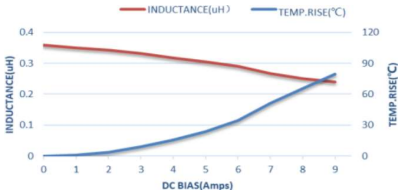
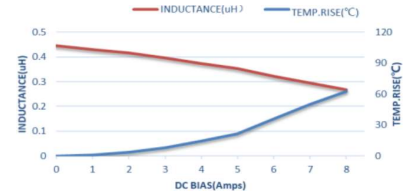
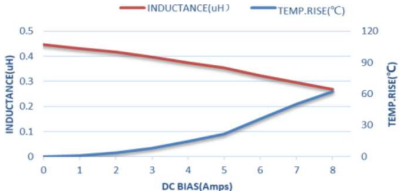


GSFH201610PB-R47M



GSFH201610PG-R47M



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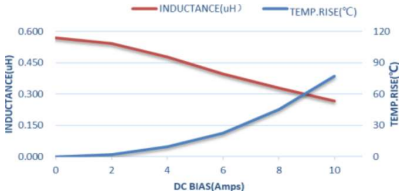
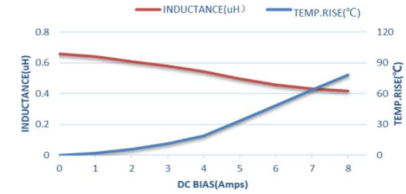
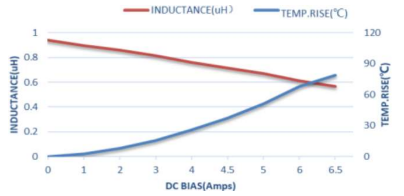


GSFH201610PB-R68M



GSFH201610PB-1R0M



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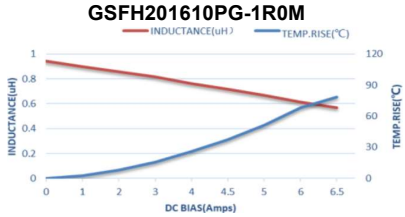

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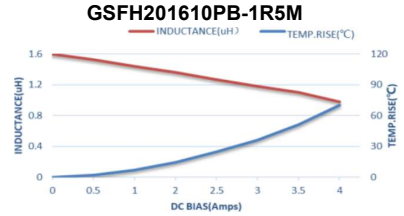

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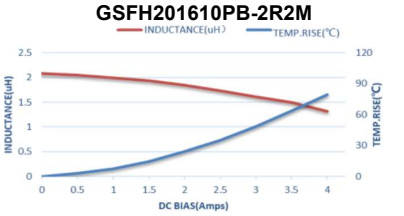

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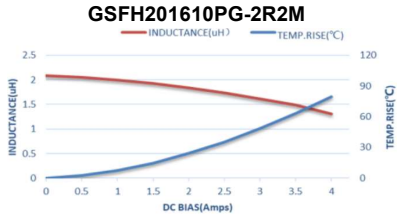
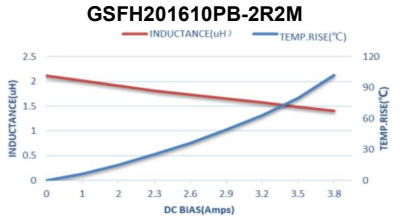
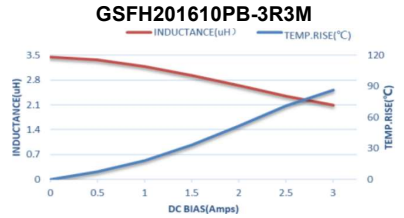


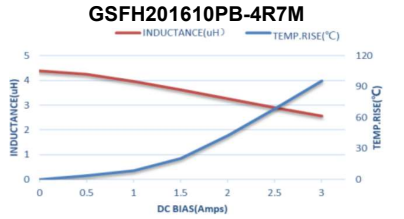
GSFH201610PB-2R2M



GSFH201610PB-3R3M



GSFH201610PB-4R7M



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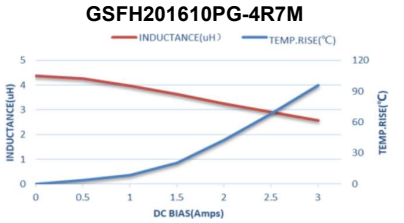

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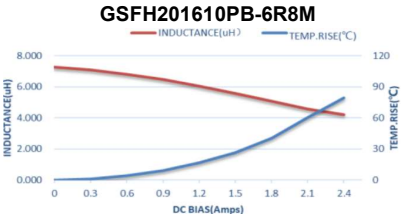
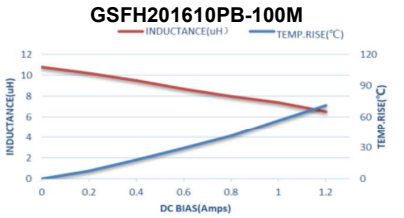
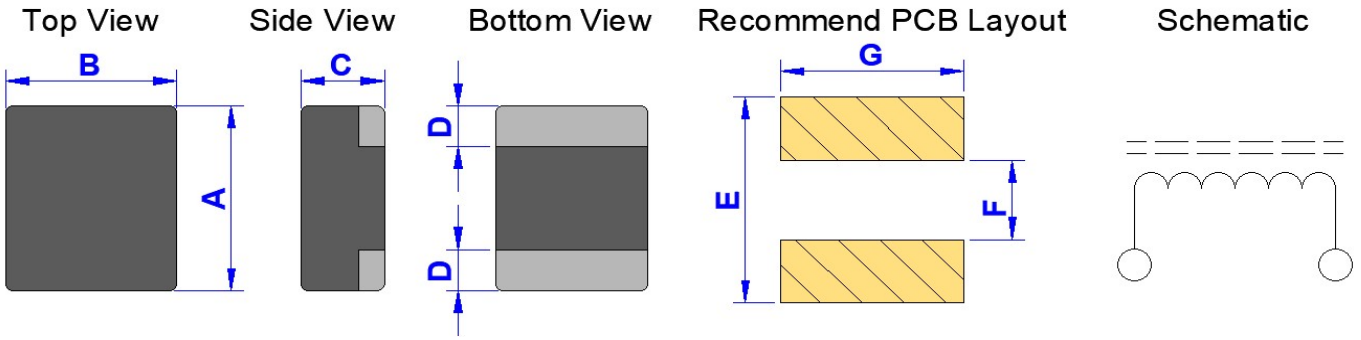


GSFH201610PB-100M



GSFH201612P-SERIES

Dimension [mm] :



Size Code	A (+/-0.2)	B (+/-0.2)	C (Max.)	D (+/-0.2)	E (Ref.)	F (Ref.)	G (Ref.)
201612P	2.00	1.60	1.20	0.70	2.10	0.50	1.70

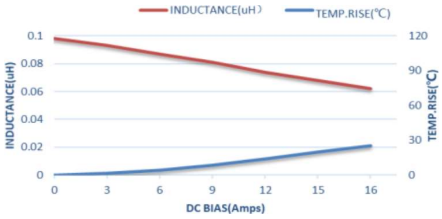
Electrical Characteristics :

Part No.	Inductance(uH)	Inductance Tolerance	DCR(m Ohm)		Irms(A)		Isat(A)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
GSFH201612PB-R10M	0.10	M	4.00	6.00	12.00	10.00	13.00	11.50
GSFH201612PB-R11M	0.11	M	4.80	5.60	15.50	14.50	12.50	11.00
GSFH201612PB-R15M	0.15	M	7.50	10.00	10.00	9.00	12.00	10.50
GSFH201612PB-R24M	0.24	M	9.00	11.00	9.10	8.60	9.20	8.70
GSFH201612PB-R33M	0.33	M	10.00	15.00	7.70	7.20	7.80	7.30
GSFH201612PB-R47M	0.47	M	13.00	17.00	6.70	6.00	6.70	6.00
GSFH201612PB-R68M	0.68	M	19.00	23.00	6.00	5.30	6.00	5.30
GSFH201612PB-1R0M	1.00	M	30.00	36.00	5.00	4.50	5.00	4.50
GSFH201612PB-1R5M	1.50	M	40.00	50.00	4.00	3.50	4.00	3.50
GSFH201612PB-2R2M	2.20	M	77.00	90.00	3.30	2.90	3.10	2.70
GSFH201612PB-3R3M	3.30	M	135.00	165.00	2.40	2.00	2.70	2.30
GSFH201612PB-6R8M	6.80	M	255.00	300.00	1.80	1.70	1.90	1.70

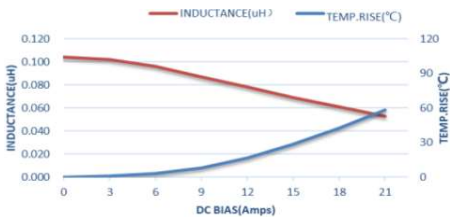
* **Inductance Test Condition :** @1MHz , 1.0Vrms , 25℃ Ambient
* **Inductance Tolerance :** M = +/-20%
* **Irms :** Rated Current Loading when temperature rise approximately ΔT of 40℃
* **Isat :** Saturated Current measured at the point of L drop approximately 30%
* **The part temperature (ambient + temp rise) :** should not exceed 125℃ under worst case operating conditions. Circuit design, component,PCB trace size and thickness,airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
* **The rated current as listed :** is either the saturation current or the heating current depending on which value is lower.

Typical Performance Curves :

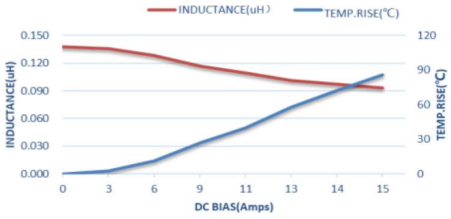
GSFH201612PB-R10M



GSFH201612PB-R11M



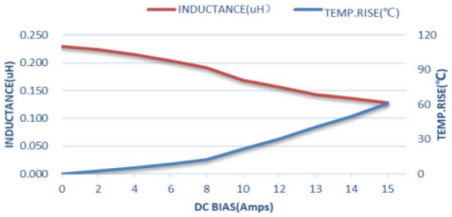
GSFH201612PB-R15M



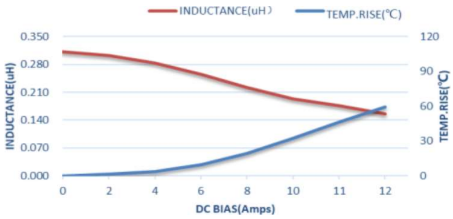
GSFH201612P-SERIES

Typical Performance Curves :

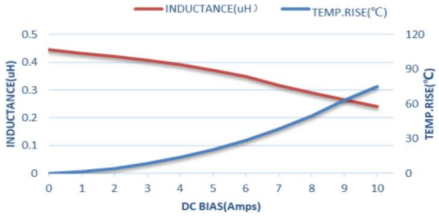
GSFH201612PB-R24M



GSFH201612PB-R33M



GSFH201612PB-R47M



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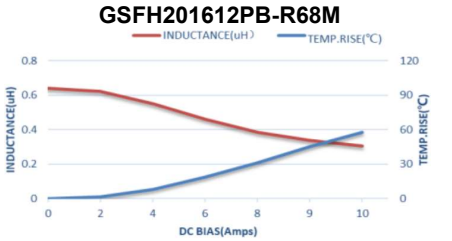
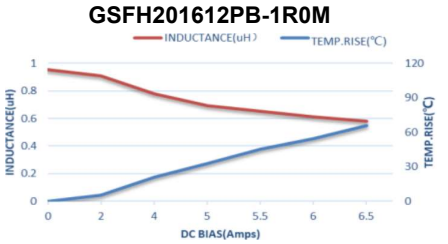
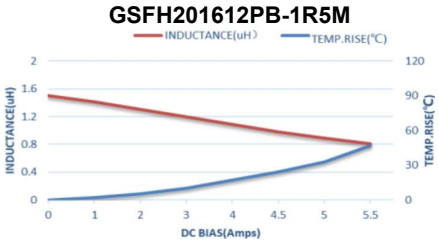


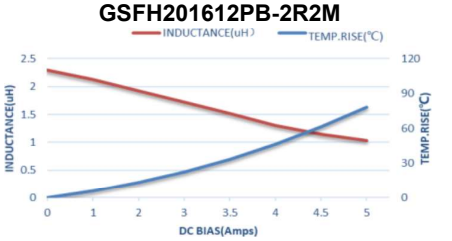
GSFH201612PB-1R0M



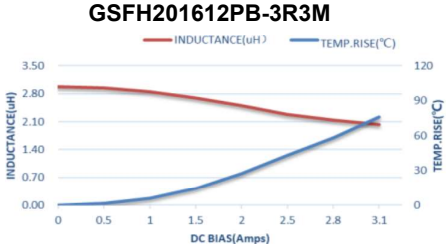
GSFH201612PB-1R5M



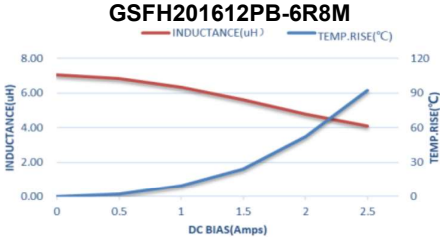
GSFH201612PB-2R2M



GSFH201612PB-3R3M

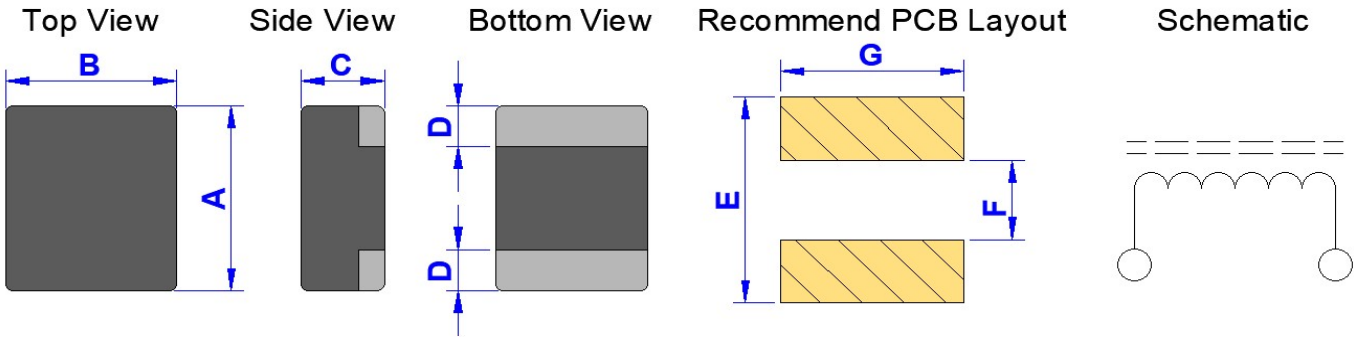


GSFH201612PB-6R8M



GSFH252055P-SERIES

Dimension [mm] :



Size Code	A (+/-0.2)	B (+/-0.2)	C (Max.)	D (+/-0.2)	E (Ref.)	F (Ref.)	G (Ref.)
252055P	2.50	2.00	0.55	0.85	2.60	0.70	2.10

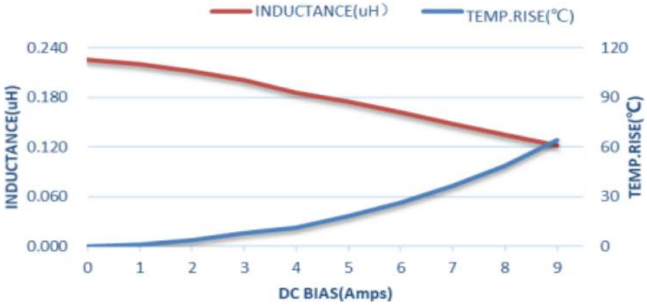
Electrical Characteristics :

Part No.	Inductance(uH)	Inductance Tolerance	DCR(m Ohm)		Irms(A)		Isat(A)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
GSFH252055PB-R22M	0.22	M	23.00	28.00	6.50	6.00	4.80	4.50
GSFH252055PB-R47M	0.47	M	42.00	49.00	5.50	5.20	3.50	3.20

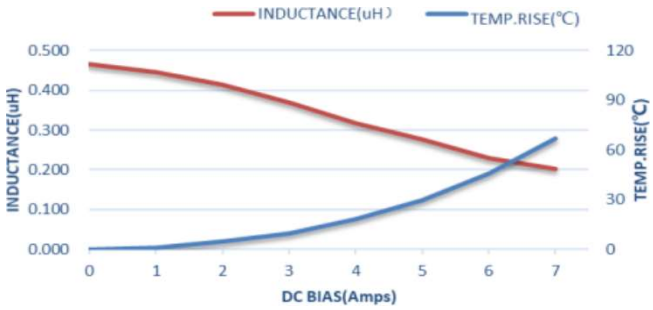
* **Inductance Test Condition :** @1MHz , 1.0Vrms , 25℃ Ambient
* **Inductance Tolerance :** M = +/-20%
* **Irms :** Rated Current Loading when temperature rise approximately ΔT of 40℃
* **Isat :** Saturated Current measured at the point of L drop approximately 30%
* **The part temperature (ambient + temp rise) :** should not exceed 125℃ under worst case operating conditions. Circuit design, component,PCB trace size and thickness,airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
* **The rated current as listed :** is either the saturation current or the heating current depending on which value is lower.

Typical Performance Curves :

GSFH252055PB-R22M

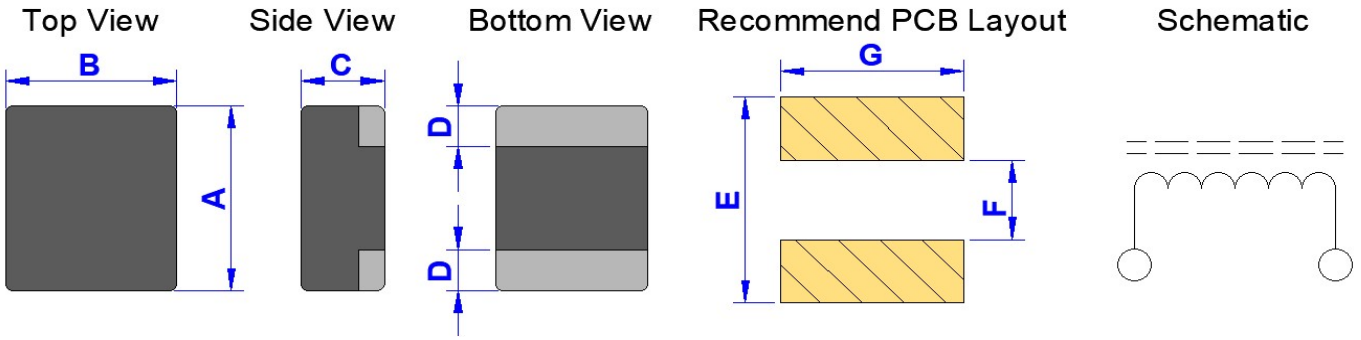


GSFH252055PB-R47M



GSFH252075P-SERIES

Dimension [mm] :



Size Code	A (+/-0.2)	B (+/-0.2)	C (Max.)	D (+/-0.2)	E (Ref.)	F (Ref.)	G (Ref.)
252075P	2.50	2.00	0.75	0.85	2.60	0.70	2.10

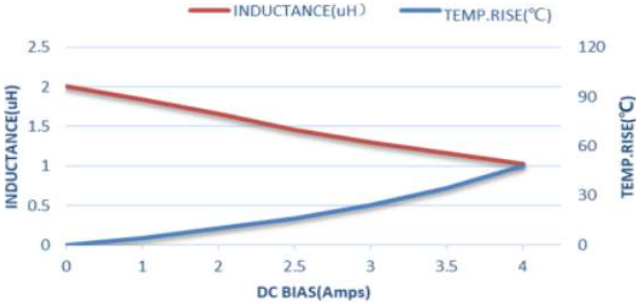
Electrical Characteristics :

Part No.	Inductance(uH)	Inductance Tolerance	DCR(m Ohm)		Irms(A)		Isat(A)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
GSFH252075PG-2R2M	2.20	M	78.00	90.00	2.30	2.00	2.60	2.40
GSFH252075PG-100M	10.00	M	487.00	530.00	1.10	0.90	1.10	0.90

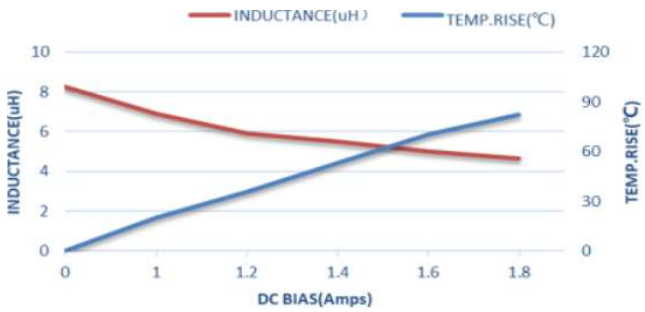
* **Inductance Test Condition :** @1MHz , 1.0Vrms , 25℃ Ambient
* **Inductance Tolerance :** M = +/-20%
* **Irms :** Rated Current Loading when temperature rise approximately ΔT of 40℃
* **Isat :** Saturated Current measured at the point of L drop approximately 30%
* **The part temperature (ambient + temp rise) :** should not exceed 125℃ under worst case operating conditions. Circuit design, component,PCB trace size and thickness,airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
* **The rated current as listed :** is either the saturation current or the heating current depending on which value is lower.

Typical Performance Curves :

GSFH252075PG-2R2M

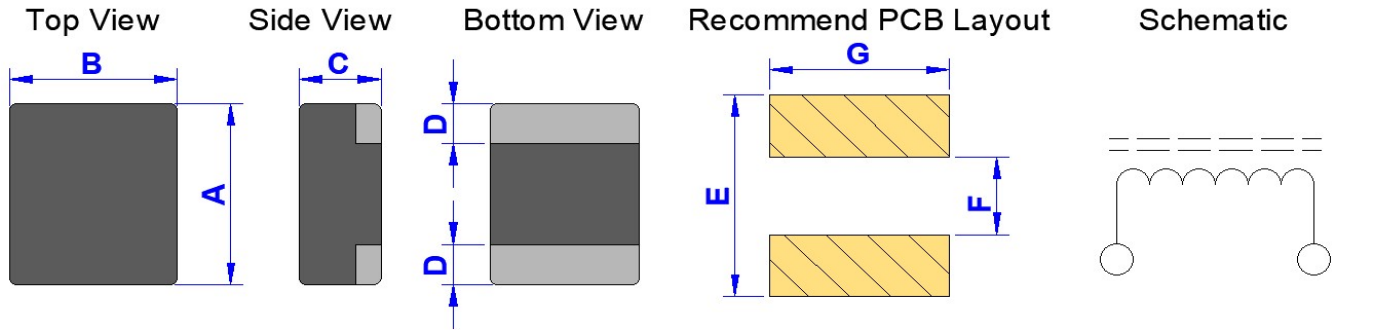


GSFH252075PG-100M



GSFH252008P-SERIES

Dimension [mm] :



Size Code	A (+/-0.2)	B (+/-0.2)	C (Max.)	D (+/-0.2)	E (Ref.)	F (Ref.)	G (Ref.)
252008P	2.50	2.00	0.80	0.85	2.60	0.70	2.10

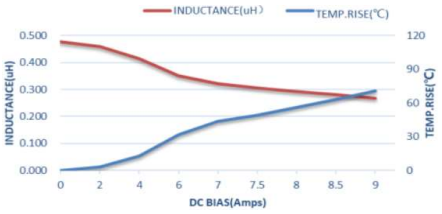
Electrical Characteristics :

Part No.	Inductance(uH)	Inductance Tolerance	DCR(m Ohm)		Irms(A)		Isat(A)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
GSFH252008PB-R47M	0.47	M	22.00	27.00	6.50	6.00	6.00	5.30
GSFH252008PB-1R0M	1.00	M	34.00	40.00	4.30	4.00	4.50	4.00
GSFH252008PB-1R5M	1.50	M	64.00	75.00	3.40	3.00	3.50	3.00
GSFH252008PB-2R2M	2.20	M	69.00	77.00	3.00	2.60	3.00	2.60
GSFH252008PB-3R3M	3.30	M	150.00	180.00	2.50	2.10	2.50	2.10
GSFH252008PB-4R7M	4.70	M	180.00	215.00	2.00	1.50	1.90	1.50
GSFH252008PB-100M	10.00	M	500.00	600.00	1.40	1.20	1.10	0.90

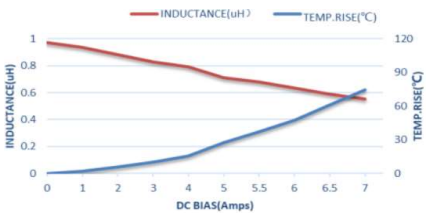
* **Inductance Test Condition :** @1MHz , 1.0Vrms , 25℃ Ambient
* **Inductance Tolerance :** M = +/-20%
* **Irms :** Rated Current Loading when temperature rise approximately ΔT of 40℃
* **Isat :** Saturated Current measured at the point of L drop approximately 30%
* **The part temperature (ambient + temp rise) :** should not exceed 125℃ under worst case operating conditions. Circuit design, component,PCB trace size and thickness,airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
* **The rated current as listed :** is either the saturation current or the heating current depending on which value is lower.

Typical Performance Curves :

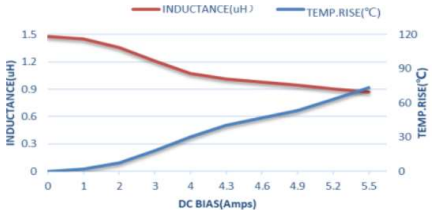
GSFH252008PB-R47M



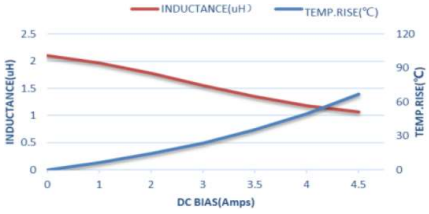
GSFH252008PB-1R0M



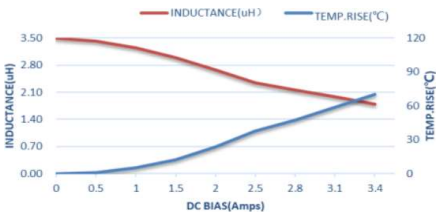
GSFH252008PB-1R5M



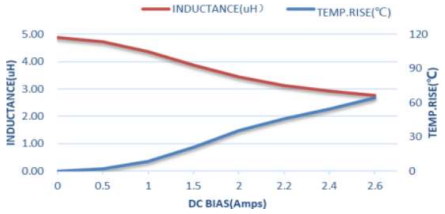
GSFH252008PB-2R2M



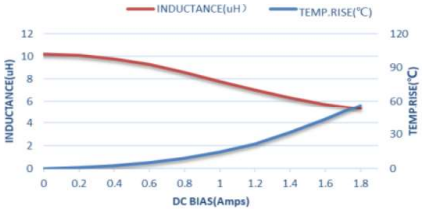
GSFH252008PB-3R3M



GSFH252008PB-4R7M

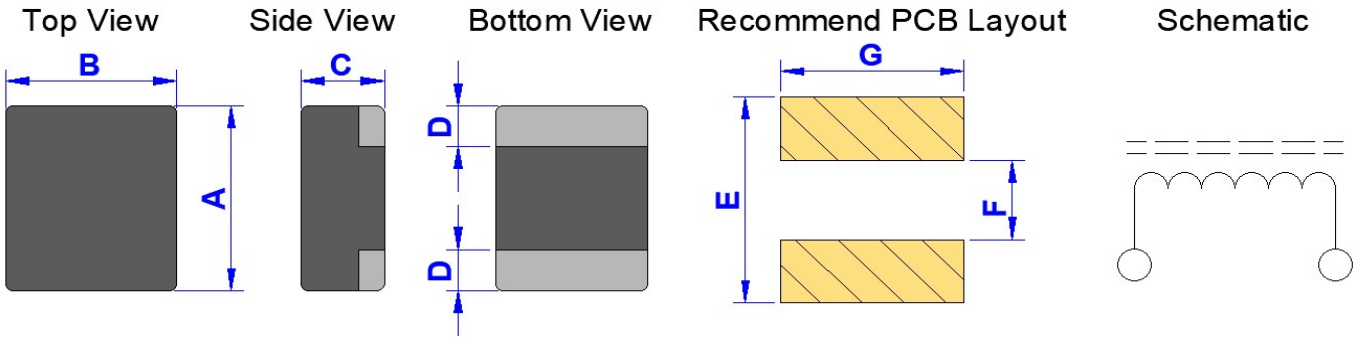


GSFH252008PB-100M



GSFH252010P-SERIES

Dimension [mm] :



Size Code	A (+/-0.2)	B (+/-0.2)	C (Max.)	D (+/-0.2)	E (Ref.)	F (Ref.)	G (Ref.)
252010P	2.50	2.00	1.00	0.85	2.60	0.70	2.10

Electrical Characteristics :

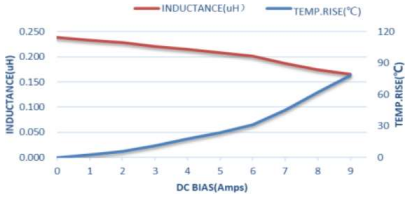
Part No.	Inductance(uH)	Inductance Tolerance	DCR(m Ohm)		Irms(A)		Isat(A)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
GSFH252010PB-R22M	0.22	M	12.00	17.00	6.80	6.50	8.60	7.90
GSFH252010PG-R22M	0.22	M	12.00	17.00	6.80	6.50	8.60	7.90
GSFH252010PB-R24M	0.24	M	12.00	17.50	6.70	6.40	8.50	7.80
GSFH252010PB-R33M	0.33	M	13.00	19.00	6.50	6.20	7.60	7.20
GSFH252010PG-R33M	0.33	M	13.00	19.00	6.50	6.20	7.60	7.20
GSFH252010PB-R47M	0.47	M	15.00	22.00	6.10	5.60	6.90	6.50
GSFH252010PG-R47M	0.47	M	15.00	22.00	6.10	5.60	6.90	6.50
GSFH252010PB-R68M	0.68	M	23.00	27.00	5.60	5.00	5.90	5.50
GSFH252010PB-R82M	0.82	M	25.00	29.00	4.50	4.10	5.30	4.80
GSFH252010PB-1R0M	1.00	M	25.00	30.00	4.70	4.10	5.40	4.80
GSFH252010PG-1R0M	1.00	M	25.00	30.00	4.70	4.10	5.40	4.80
GSFH252010PB-1R5M	1.50	M	45.00	55.00	3.40	3.00	4.30	3.90
GSFH252010PG-1R5M	1.50	M	45.00	55.00	3.40	3.00	4.30	3.90
GSFH252010PB-2R2M	2.20	M	62.00	70.00	2.40	2.10	3.30	3.00
GSFH252010PG-2R2M	2.20	M	62.00	70.00	2.40	2.10	3.30	3.00
GSFH252010PB-3R3M	3.30	M	86.00	100.00	2.50	2.10	2.80	2.50
GSFH252010PG-3R3M	3.30	M	86.00	100.00	2.50	2.10	2.80	2.50
GSFH252010PB-4R7M	4.70	M	160.00	180.00	2.00	1.60	2.60	2.00
GSFH252010PG-4R7M	4.70	M	160.00	180.00	2.00	1.60	2.60	2.00
GSFH252010PB-6R8M	6.80	M	270.00	320.00	1.60	1.40	2.40	1.90
GSFH252010PB-100M	10.00	M	500.00	560.00	1.05	0.95	1.55	1.40
GSFH252010PG-100M	10.00	M	500.00	560.00	1.05	0.95	1.55	1.40
GSFH252010PG-220M	22.00	M	1100.00	1300.00	0.85	0.60	1.10	0.90

* **Inductance Test Condition :** @1MHz , 1.0Vrms , 25℃ Ambient
* **Inductance Tolerance :** M = +/-20%
* **Irms :** Rated Current Loading when temperature rise approximately ΔT of 40℃
* **Isat :** Saturated Current measured at the point of L drop approximately 30%
* **The part temperature (ambient + temp rise) :** should not exceed 125℃ under worst case operating conditions. Circuit design, component,PCB trace size and thickness,airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
* **The rated current as listed :** is either the saturation current or the heating current depending on which value is lower.

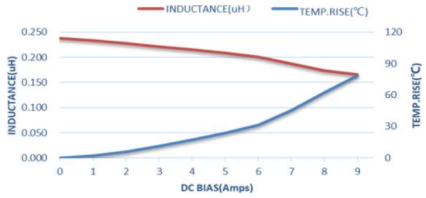
GSFH252010P-SERIES

Typical Performance Curves :

GSFH252010PB-R22M



GSFH252010PG-R22M



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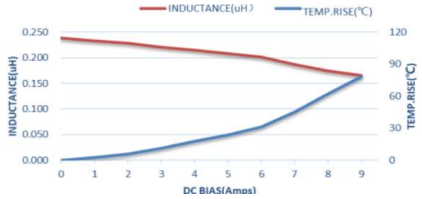

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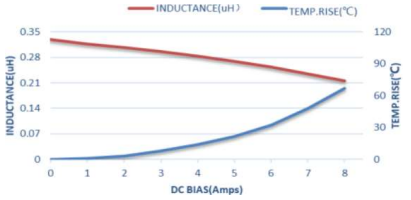

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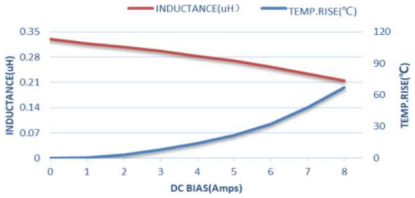

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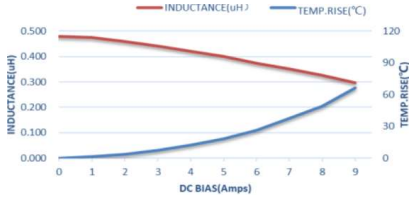

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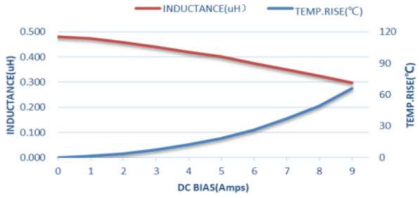

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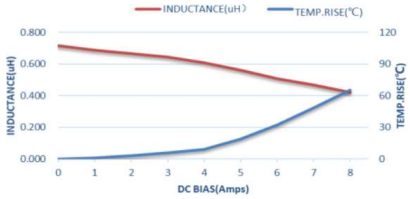

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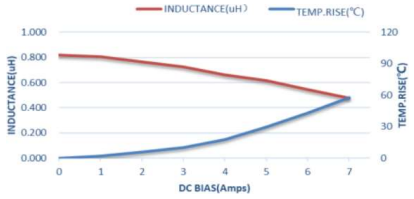

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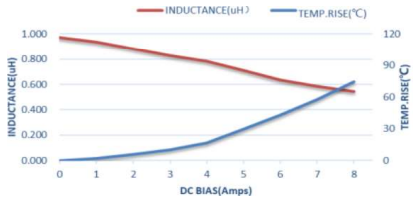

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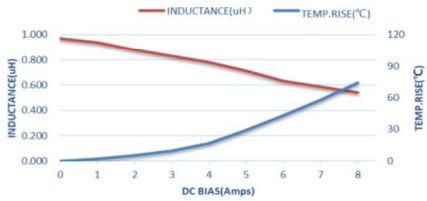

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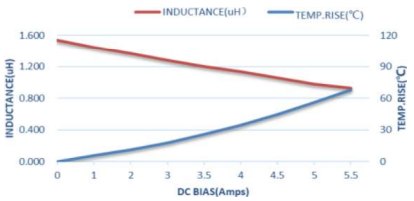

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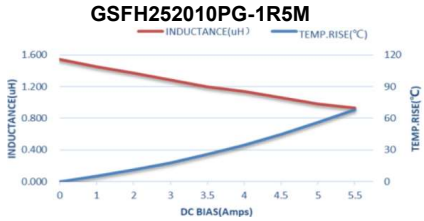

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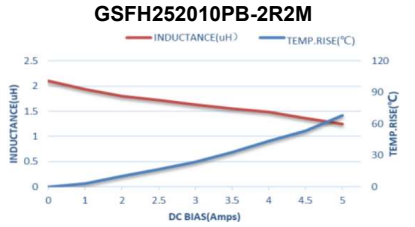

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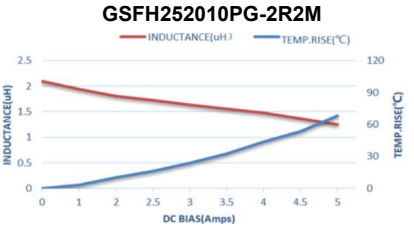

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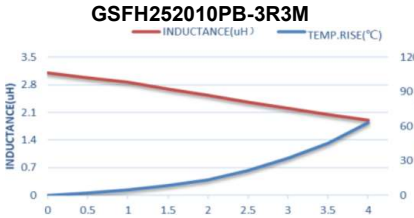

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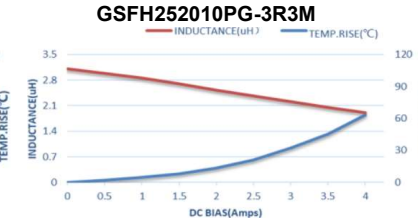

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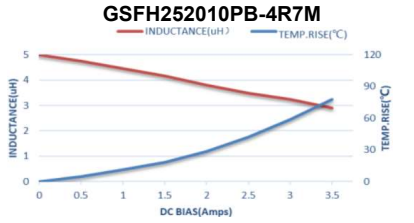

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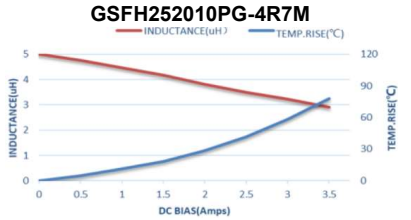

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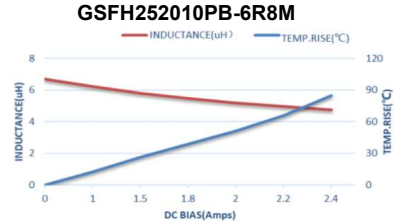

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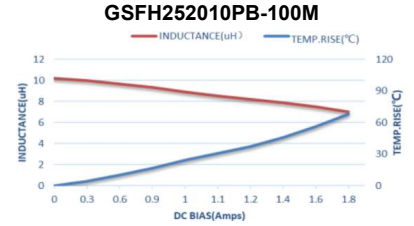

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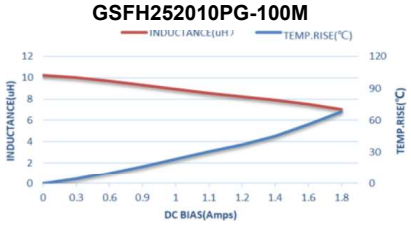

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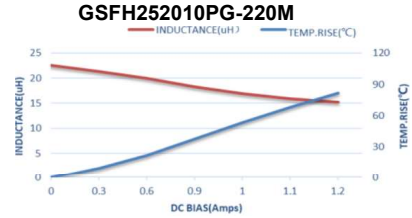
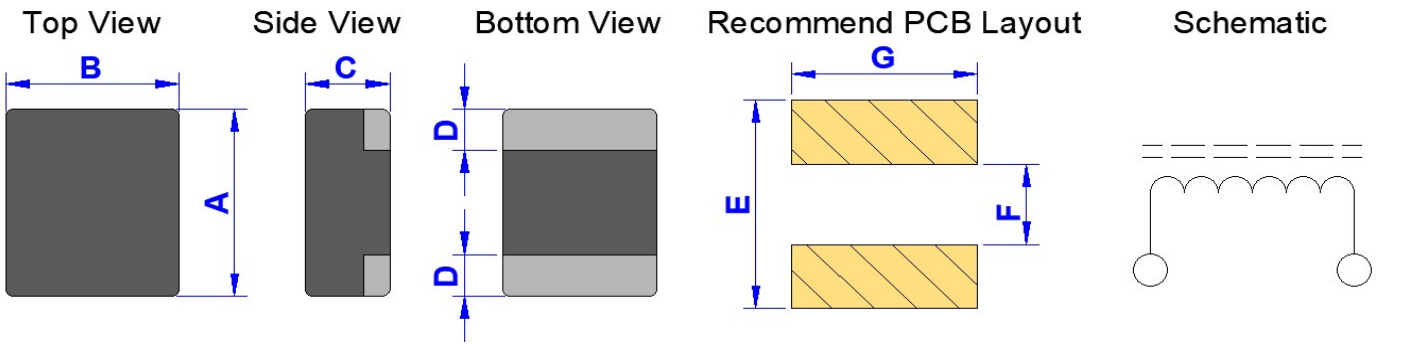


GSFH252012P-SERIES

Dimension [mm] :



Size Code	A (+/-0.2)	B (+/-0.2)	C (Max.)	D (+/-0.2)	E (Ref.)	F (Ref.)	G (Ref.)
252012P	2.50	2.00	1.20	0.75	2.60	0.70	2.10

Electrical Characteristics :

Part No.	Inductance(uH)	Inductance Tolerance	DCR(m Ohm)		Irms(A)		Isat(A)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
GSFH252012PB-R10M	0.10	M	6.00	10.00	12.00	10.50	13.50	12.50
GSFH252012PB-R11M	0.11	M	4.20	5.00	15.00	14.00	14.00	13.00
GSFH252012PB-R15M	0.15	M	7.00	11.00	11.50	10.00	13.00	12.00
GSFH252012PB-R22M	0.22	M	9.00	14.00	8.20	7.60	9.60	9.00
GSFH252012PB-R24M	0.24	M	10.00	15.00	8.00	7.50	9.30	8.80
GSFH252012PG-R24M	0.24	M	10.00	15.00	8.00	7.50	9.30	8.80
GSFH252012PB-R33M	0.33	M	11.00	17.00	6.80	6.40	8.30	7.80
GSFH252012PB-R47M	0.47	M	13.00	19.00	6.50	6.00	7.50	7.00
GSFH252012PB-R68M	0.68	M	17.00	23.00	6.30	5.50	6.50	6.00
GSFH252012PB-R82M	0.82	M	19.00	24.00	5.80	5.30	6.50	5.80
GSFH252012PB-1R0M	1.00	M	35.00	42.00	4.00	3.60	5.60	5.00
GSFH252012PB-1R2M	1.20	M	40.00	45.00	3.80	3.40	4.50	4.10
GSFH252012PB-1R5M	1.50	M	44.00	50.00	3.70	3.20	4.50	4.10
GSFH252012PG-1R5M	1.50	M	44.00	50.00	3.70	3.20	4.50	4.10
GSFH252012PB-2R2M	2.20	M	55.00	65.00	3.00	2.70	3.80	3.30
GSFH252012PG-2R2M	2.20	M	55.00	65.00	3.00	2.70	3.80	3.30
GSFH252012PB-3R3M	3.30	M	80.00	97.00	2.30	1.80	3.00	2.70
GSFH252012PB-4R7M	4.70	M	150.00	170.00	1.80	1.50	2.40	2.10
GSFH252012PG-4R7M	4.70	M	150.00	170.00	1.80	1.50	2.40	2.10
GSFH252012PB-6R8M	6.80	M	245.00	270.00	1.60	1.40	2.00	1.70
GSFH252012PB-100M	10.00	M	330.00	400.00	1.20	1.05	1.60	1.45
GSFH252012PG-100M	10.00	M	330.00	400.00	1.20	1.05	1.60	1.45
GSFH252012PB-150M	15.00	M	500.00	565.00	1.40	1.30	1.40	1.30
GSFH252012PB-220M	22.00	M	740.00	800.00	1.20	1.10	1.10	1.00

* **Inductance Test Condition :** @1MHz , 1.0Vrms , 25℃ Ambient
* **Inductance Tolerance :** M = +/-20%
* **Irms :** Rated Current Loading when temperature rise approximately ΔT of 40℃
* **Isat :** Saturated Current measured at the point of L drop approximately 30%
* **The part temperature (ambient + temp rise) :** should not exceed 125℃ under worst case operating conditions. Circuit design, component,PCB trace size and thickness,airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
* **The rated current as listed :** is either the saturation current or the heating current depending on which value is lower.

GSFH252012P-SERIES

Typical Performance Curves :

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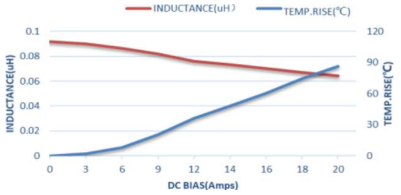

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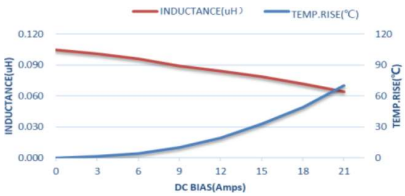

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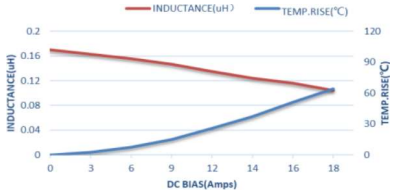

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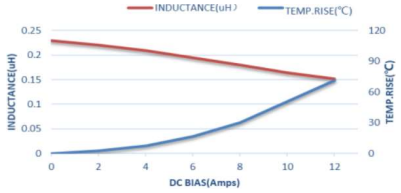

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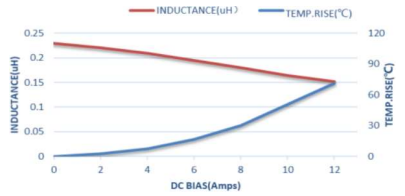

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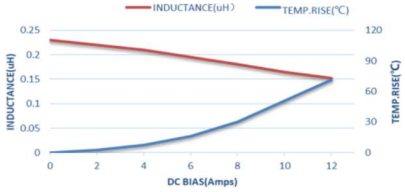

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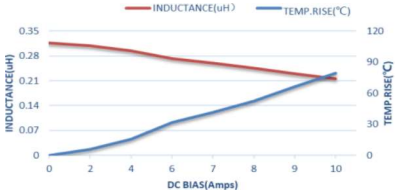

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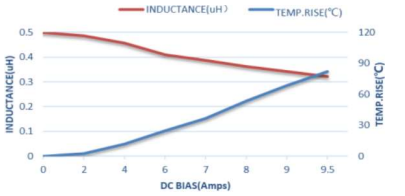

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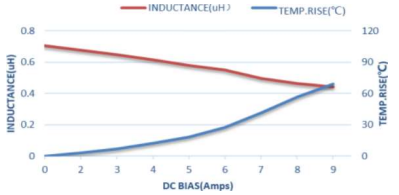

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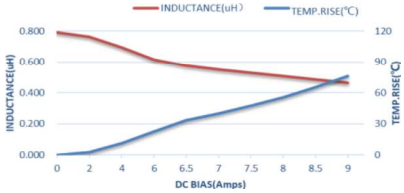

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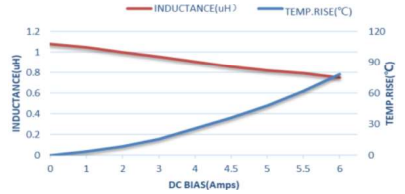

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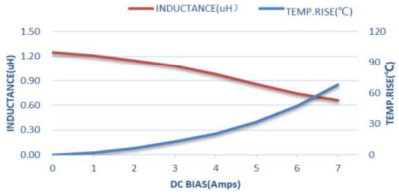

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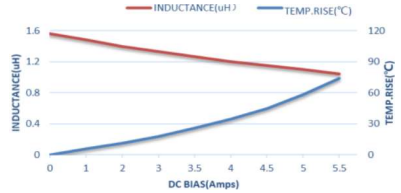

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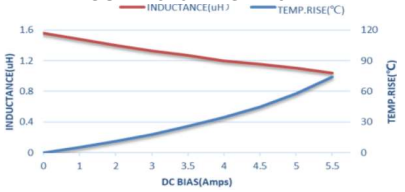
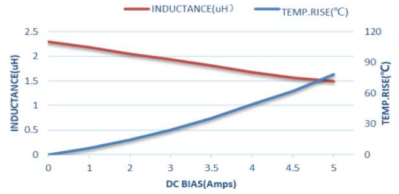
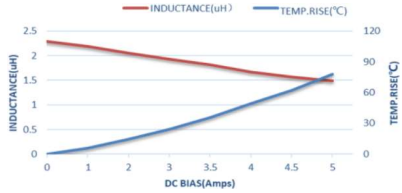


GSFH252012PB-2R2M



GSFH252012PG-2R2M



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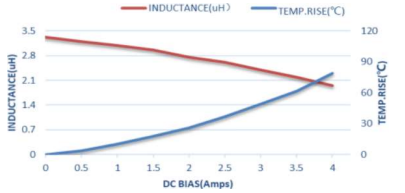
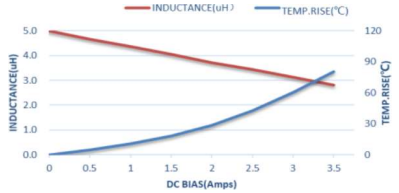


GSFH252012PB-4R7M



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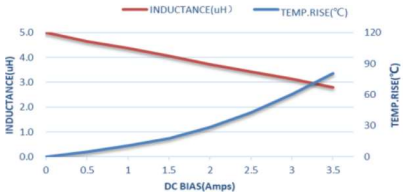

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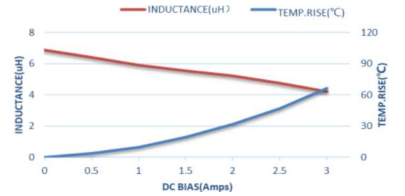
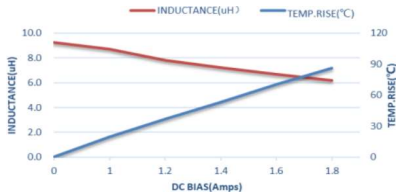


GSFH252012PB-100M



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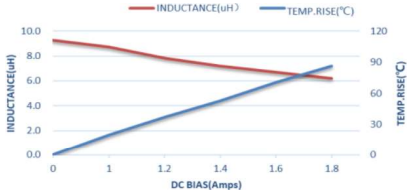
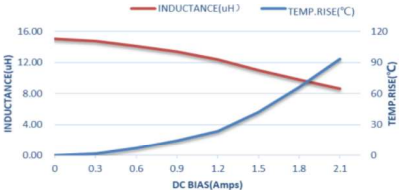


GSFH252012PB-150M



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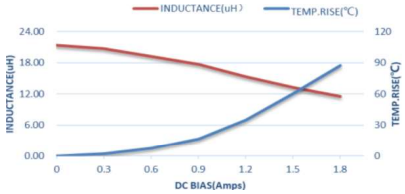
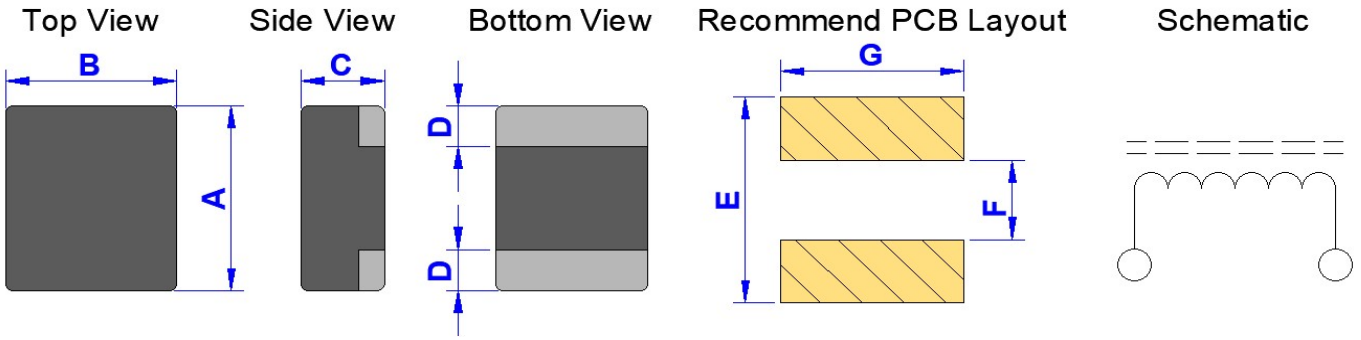


GSFH322510P-SERIES

Dimension [mm] :



Size Code	A (+/-0.2)	B (+/-0.2)	C (Max.)	D (+/-0.2)	E (Ref.)	F (Ref.)	G (Ref.)
322510P	3.20	2.50	1.00	1.05	3.20	0.90	2.50

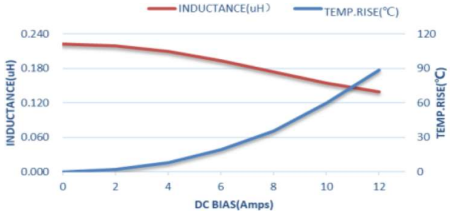
Electrical Characteristics :

Part No.	Inductance(uH)	Inductance Tolerance	DCR(m Ohm)		Irms(A)		Isat(A)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
GSFH322510PB-R22M	0.22	M	9.00	11.00	8.50	8.00	8.50	8.00
GSFH322510PB-R33M	0.33	M	11.00	15.00	8.30	7.80	8.30	7.80
GSFH322510PB-R47M	0.47	M	17.00	22.00	6.40	5.90	8.30	7.60
GSFH322510PB-R68M	0.68	M	22.00	28.00	6.20	5.70	7.50	7.00
GSFH322510PB-1R0M	1.00	M	25.00	30.00	5.40	4.90	6.00	5.30
GSFH322510PB-1R5M	1.50	M	34.00	42.00	4.00	3.60	5.00	4.40
GSFH322510PB-2R2M	2.20	M	55.00	66.00	3.70	3.40	4.00	3.50
GSFH322510PB-3R3M	3.30	M	105.00	120.00	2.70	2.30	3.70	3.30
GSFH322510PB-4R7M	4.70	M	125.00	140.00	2.30	1.90	2.80	2.50
GSFH322510PB-6R8M	6.80	M	290.00	320.00	1.90	1.60	2.40	2.00
GSFH322510PB-100M	10.00	M	325.00	365.00	2.20	1.80	2.20	1.80

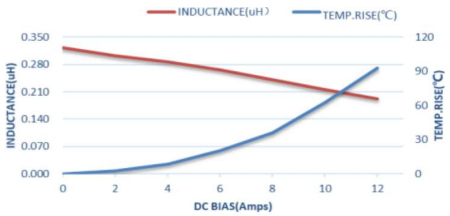
* **Inductance Test Condition :** @1MHz , 1.0Vrms , 25℃ Ambient
* **Inductance Tolerance :** M = +/-20%
* **Irms :** Rated Current Loading when temperature rise approximately ΔT of 40℃
* **Isat :** Saturated Current measured at the point of L drop approximately 30%
* **The part temperature (ambient + temp rise) :** should not exceed 125℃ under worst case operating conditions. Circuit design, component,PCB trace size and thickness,airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
* **The rated current as listed :** is either the saturation current or the heating current depending on which value is lower.

Typical Performance Curves :

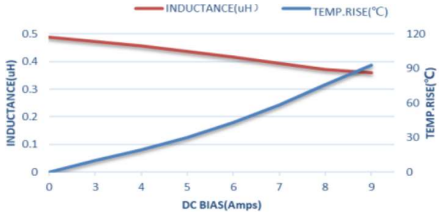
GSFH322510PB-R22M



GSFH322510PB-R33M



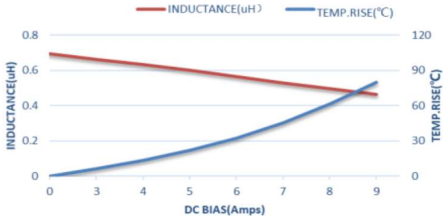
GSFH322510PB-R47M



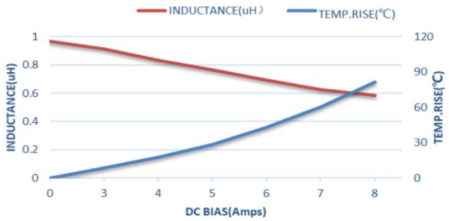
GSFH322510P-SERIES

Typical Performance Curves :

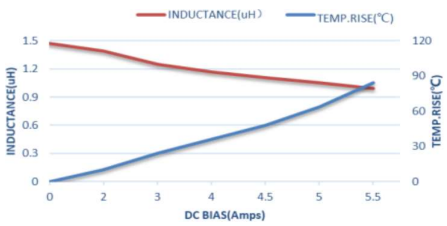
GSFH322510PB-R68M



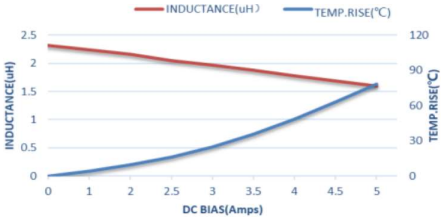
GSFH322510PB-1R0M



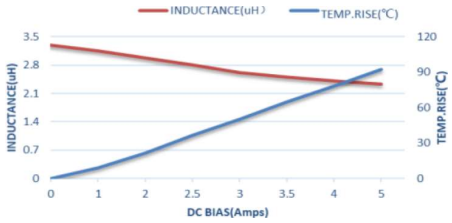
GSFH322510PB-1R5M



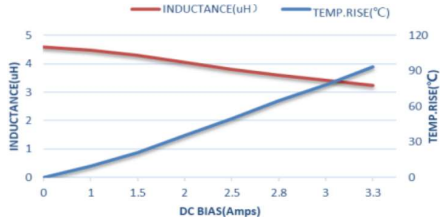
GSFH322510PB-2R2M



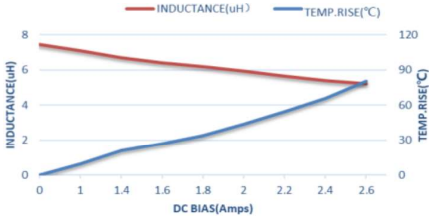
GSFH322510PB-3R3M



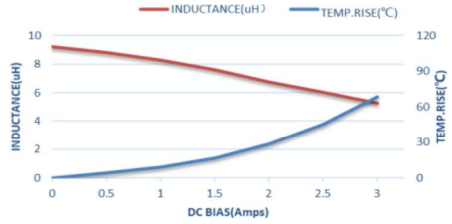
GSFH322510PB-4R7M



GSFH322510PB-6R8M

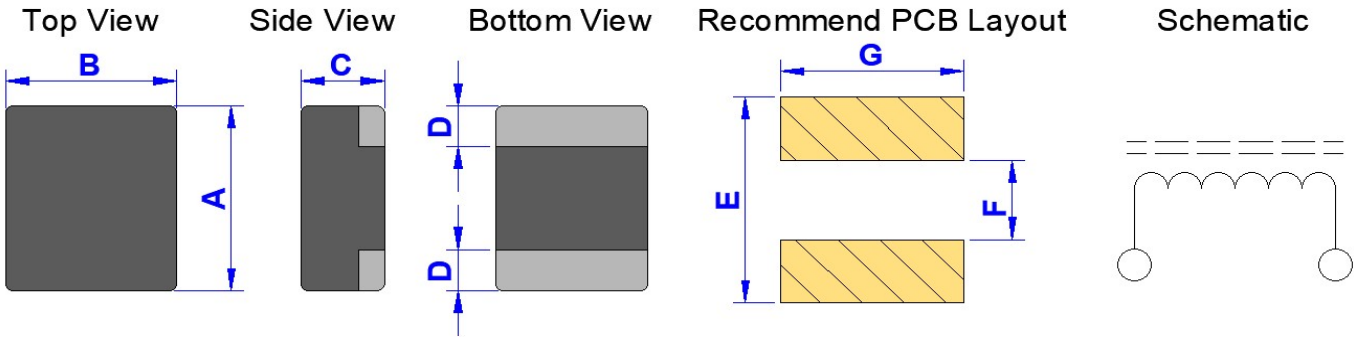


GSFH322510PB-100M



GSFH322512P-SERIES

Dimension [mm] :



Size Code	A (+/-0.2)	B (+/-0.2)	C (Max.)	D (+/-0.2)	E (Ref.)	F (Ref.)	G (Ref.)
322512P	3.20	2.50	1.20	1.05	3.20	0.90	2.50

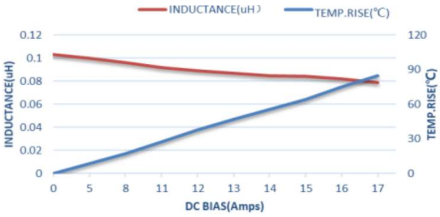
Electrical Characteristics :

Part No.	Inductance(uH)	Inductance Tolerance	DCR(m Ohm)		Irms(A)		Isat(A)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
GSFH322512PB-R10M	0.10	M	5.20	7.00	12.00	11.00	18.00	16.50
GSFH322512PB-R22M	0.22	M	6.60	10.00	9.20	8.70	11.50	11.00
GSFH322512PG-R22M	0.22	M	6.60	10.00	9.20	8.70	11.50	11.00
GSFH322512PB-R24M	0.24	M	7.00	12.00	9.00	8.50	11.00	10.50
GSFH322512PB-R33M	0.33	M	9.00	14.00	8.40	8.10	10.00	9.50
GSFH322512PB-R47M	0.47	M	14.00	19.00	7.50	7.20	8.60	8.20
GSFH322512PG-R47M	0.47	M	14.00	19.00	7.50	7.20	8.60	8.20
GSFH322512PB-R68M	0.68	M	18.00	23.00	7.30	6.80	8.10	7.70
GSFH322512PB-1R0M	1.00	M	26.00	30.00	5.30	4.80	6.60	5.80
GSFH322512PG-1R0M	1.00	M	26.00	30.00	5.30	4.80	6.60	5.80
GSFH322512PB-1R5M	1.50	M	37.00	44.00	4.70	4.30	5.10	4.70
GSFH322512PB-2R2M	2.20	M	58.00	70.00	3.60	3.00	4.60	4.20
GSFH322512PB-3R3M	3.30	M	75.00	95.00	2.90	2.50	3.70	3.20
GSFH322512PG-3R3M	3.30	M	75.00	95.00	2.90	2.50	3.70	3.20
GSFH322512PB-4R7M	4.70	M	115.00	135.00	2.30	2.00	2.90	2.60
GSFH322512PB-6R8M	6.80	M	177.00	210.00	2.10	1.90	2.80	2.40
GSFH322512PB-100M	10.00	M	210.00	230.00	2.20	1.80	2.30	1.90

* **Inductance Test Condition :** @1MHz , 1.0Vrms , 25℃ Ambient
* **Inductance Tolerance :** M = +/-20%
* **Irms :** Rated Current Loading when temperature rise approximately ΔT of 40℃
* **Isat :** Saturated Current measured at the point of L drop approximately 30%
* **The part temperature (ambient + temp rise) :** should not exceed 125℃ under worst case operating conditions. Circuit design, component,PCB trace size and thickness,airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
* **The rated current as listed :** is either the saturation current or the heating current depending on which value is lower.

Typical Performance Curves :

GSFH322512PB-R10M



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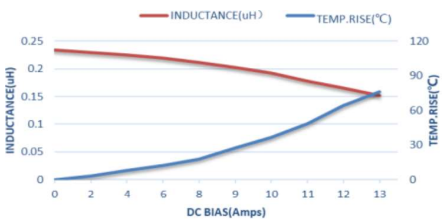

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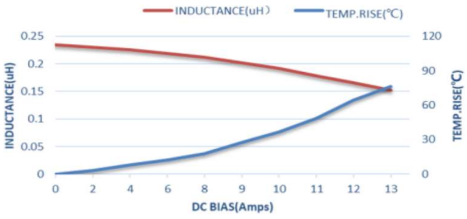
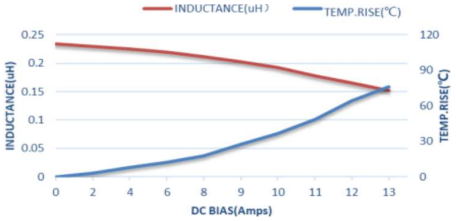


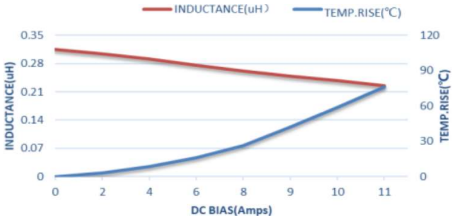
GSFH322512P-SERIES

Typical Performance Curves :

GSFH322512PB-R24M



GSFH322512PB-R33M



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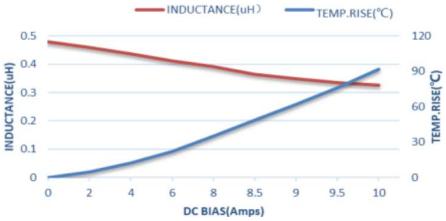

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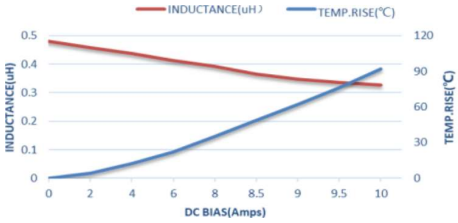
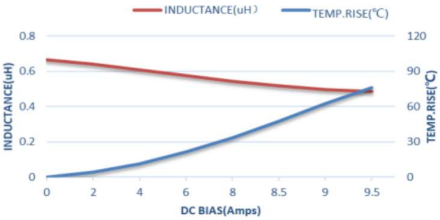


GSFH322512PB-R68M



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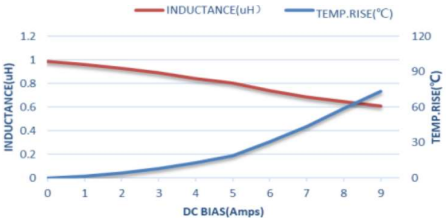
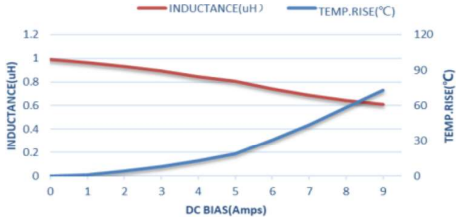
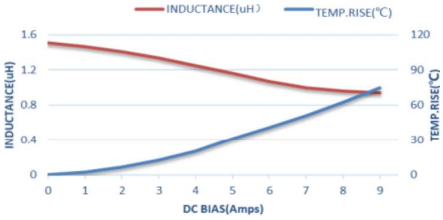


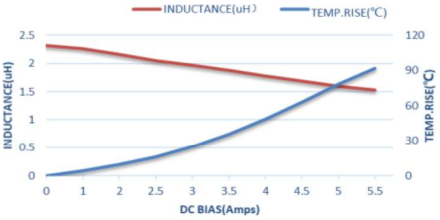
GSFH322512PG-1R0M



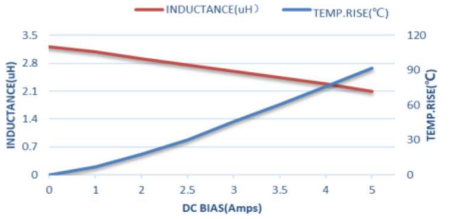
GSFH322512PB-1R5M



GSFH322512PB-2R2M



GSFH322512PB-3R3M



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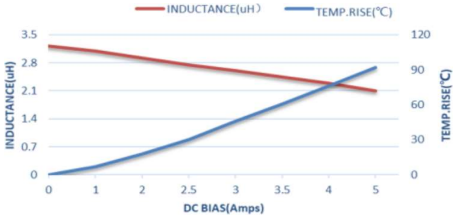
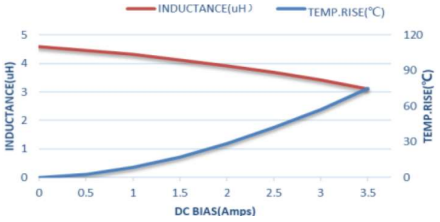
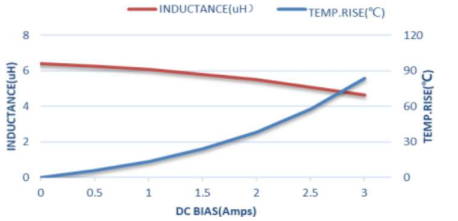


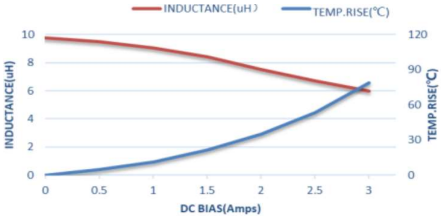
GSFH322512PB-4R7M



GSFH322512PB-6R8M

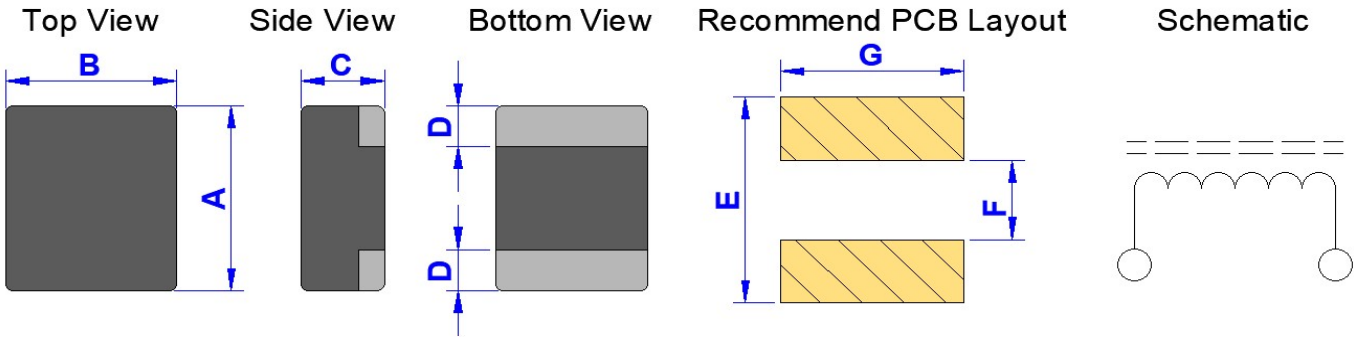


GSFH322512PB-100M



GSFH322520P-SERIES

Dimension [mm] :



Size Code	A (+/-0.2)	B (+/-0.2)	C (Max.)	D (+/-0.2)	E (Ref.)	F (Ref.)	G (Ref.)
322520P	3.20	2.50	2.00	1.05	3.20	0.90	2.50

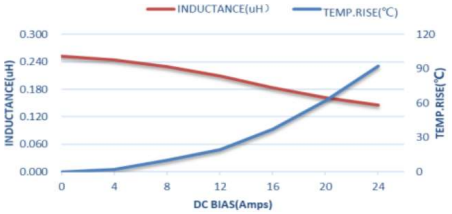
Electrical Characteristics :

Part No.	Inductance(uH)	Inductance Tolerance	DCR(m Ohm)		Irms(A)		Isat(A)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
GSFH322520PB-R27M	0.27	M	5.50	6.50	16.00	15.00	16.00	15.00
GSFH322520PB-R33M	0.33	M	7.50	9.00	9.50	9.00	15.50	14.00
GSFH322520PB-R47M	0.47	M	9.00	10.50	9.50	8.50	15.00	13.00
GSFH322520PB-R68M	0.68	M	12.50	14.50	9.00	8.00	13.00	11.00
GSFH322520PB-1R0M	1.00	M	15.00	17.50	8.20	7.50	9.00	8.30
GSFH322520PB-1R5M	1.50	M	22.00	25.00	6.50	6.00	6.80	6.00
GSFH322520PB-2R2M	2.20	M	36.00	43.00	5.40	4.80	6.50	5.50
GSFH322520PB-3R3M	3.30	M	55.00	60.00	4.50	4.00	4.50	3.50
GSFH322520PB-4R7M	4.70	M	81.00	94.00	3.50	3.00	4.00	3.00
GSFH322520PB-6R8M	6.80	M	101.00	125.00	2.80	2.30	3.80	2.90

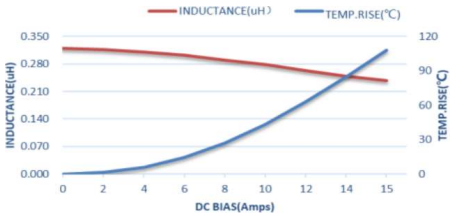
* **Inductance Test Condition :** @1MHz , 1.0Vrms , 25℃ Ambient
* **Inductance Tolerance :** M = +/-20%
* **Irms :** Rated Current Loading when temperature rise approximately ΔT of 40℃
* **Isat :** Saturated Current measured at the point of L drop approximately 30%
* **The part temperature (ambient + temp rise) :** should not exceed 125℃ under worst case operating conditions. Circuit design, component,PCB trace size and thickness,airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
* **The rated current as listed :** is either the saturation current or the heating current depending on which value is lower.

Typical Performance Curves :

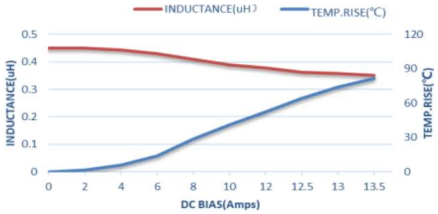
GSFH322520PB-R27M



GSFH322520PB-R33M



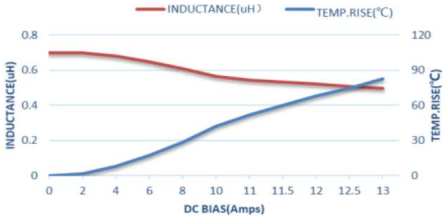
GSFH322520PB-R47M



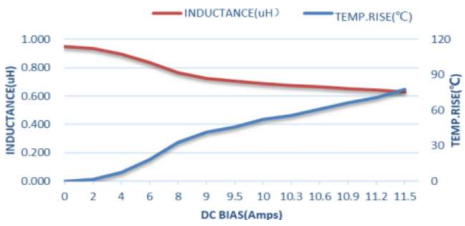
GSFH322520P-SERIES

Typical Performance Curves :

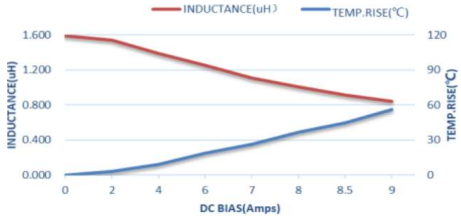
GSFH322520PB-R68M



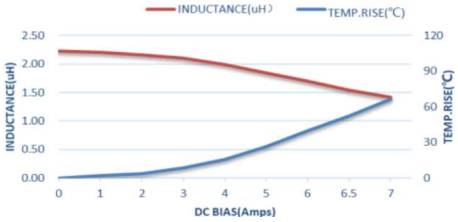
GSFH322520PB-1R0M



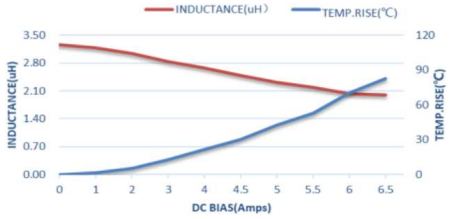
GSFH322520PB-1R5M



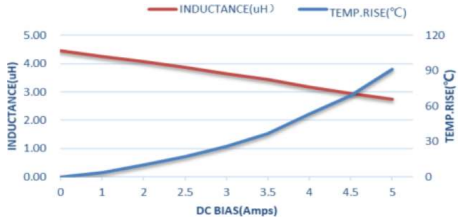
GSFH322520PB-2R2M



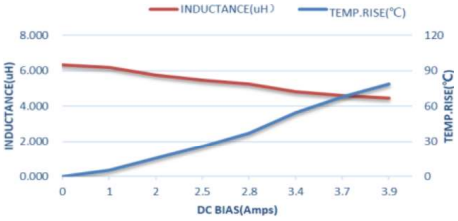
GSFH322520PB-3R3M



GSFH322520PB-4R7M

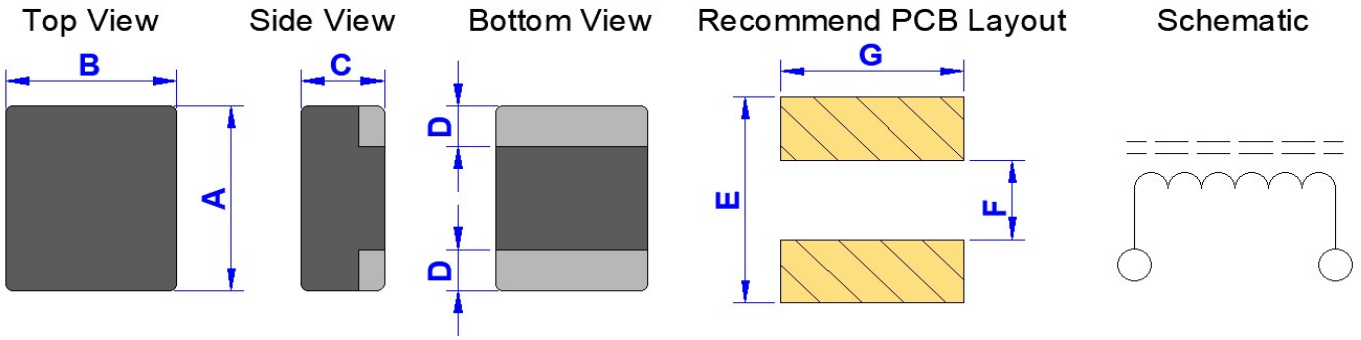


GSFH322520PB-6R8M



GSFH3010P-SERIES

Dimension [mm] :



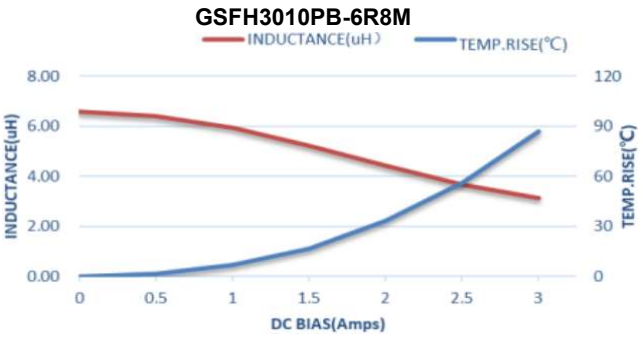
Size Code	A (+/-0.1)	B (+/-0.1)	C (Max.)	D (+/-0.2)	E (Ref.)	F (Ref.)	G (Ref.)
3010PB	3.00	3.00	1.00	1.00	3.00	0.80	3.00

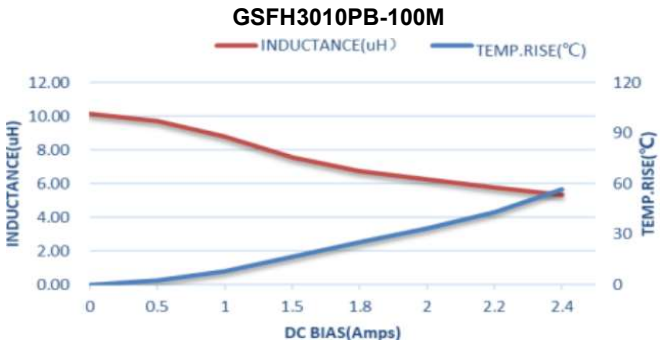
Electrical Characteristics :

Part No.	Inductance(uH)	Inductance Tolerance	DCR(m Ohm)		Irms(A)		Isat(A)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
GSFH3010PB-6R8M	6.80	M	225.00	270.00	2.10	1.80	1.80	1.50
GSFH3010PB-100M	10.00	M	320.00	360.00	2.00	1.70	1.60	1.30

* **Inductance Test Condition :** @1MHz , 1.0Vrms , 25℃ Ambient
* **Inductance Tolerance :** M = +/-20%
* **Irms :** Rated Current Loading when temperature rise approximately ΔT of 40℃
* **Isat :** Saturated Current measured at the point of L drop approximately 30%
* **The part temperature (ambient + temp rise) :** should not exceed 125℃ under worst case operating conditions. Circuit design, component,PCB trace size and thickness,airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
* **The rated current as listed :** is either the saturation current or the heating current depending on which value is lower.

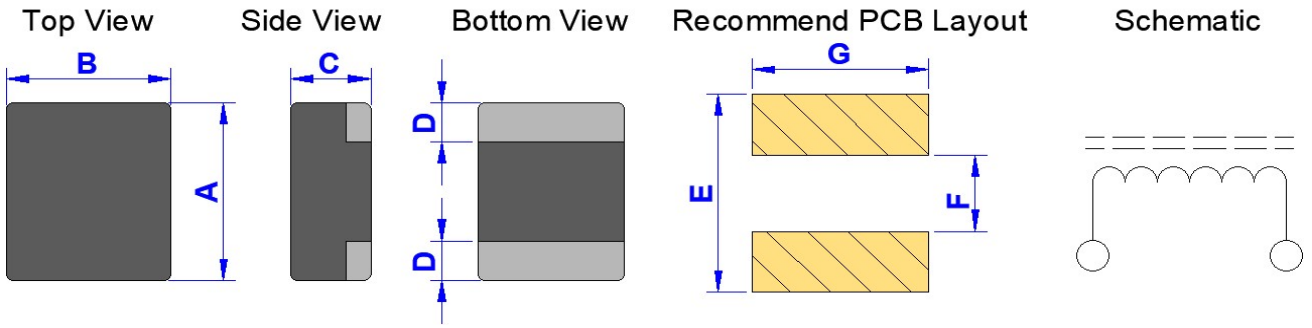
Typical Performance Curves :





GSFH3012P-SERIES

Dimension [mm] :



Size Code	A (+/-0.1)	B (+/-0.1)	C (Max.)	D (+/-0.2)	E (Ref.)	F (Ref.)	G (Ref.)
3012P	3.00	3.00	1.20	1.00	3.00	0.80	3.00

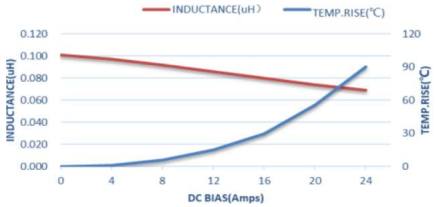
Electrical Characteristics :

Part No.	Inductance(uH)	Inductance Tolerance	DCR(m Ohm)		Irms(A)		Isat(A)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
GSFH3012PB-R10M	0.10	M	5.00	6.00	18.00	17.00	20.00	18.00
GSFH3012PB-R47M	0.47	M	9.00	11.00	11.00	10.00	8.50	8.00
GSFH3012PB-1R0M	1.00	M	23.00	27.00	5.50	5.00	6.00	5.50
GSFH3012PB-1R5M	1.50	M	29.00	34.00	6.00	5.50	5.50	5.00
GSFH3012PB-4R7M	4.70	M	100.00	120.00	3.00	2.50	3.00	2.50
GSFH3012PB-100M	10.00	M	192.00	220.00	2.30	1.90	2.30	2.00
GSFH3012PB-150M	15.00	M	345.00	380.00	1.60	1.30	1.90	1.60

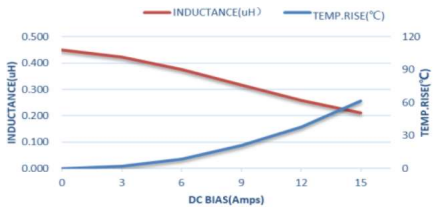
* **Inductance Test Condition :** @1MHz , 1.0Vrms , 25℃ Ambient
* **Inductance Tolerance :** M = +/-20%
* **Irms :** Rated Current Loading when temperature rise approximately ΔT of 40℃
* **Isat :** Saturated Current measured at the point of L drop approximately 30%
* **The part temperature (ambient + temp rise) :** should not exceed 125℃ under worst case operating conditions. Circuit design, component,PCB trace size and thickness,airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
* **The rated current as listed :** is either the saturation current or the heating current depending on which value is lower.

Typical Performance Curves :

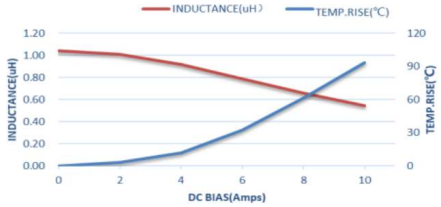
GSFH3012PB-R10M



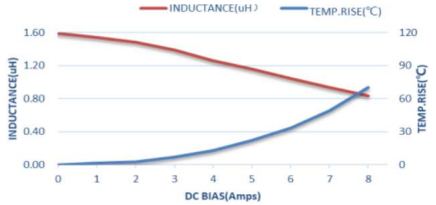
GSFH3012PB-R47M



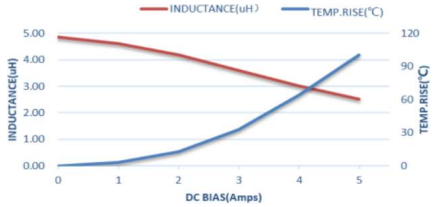
GSFH3012PB-1R0M



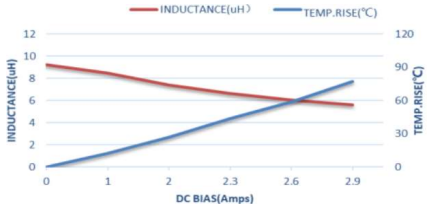
GSFH3012PB-1R5M



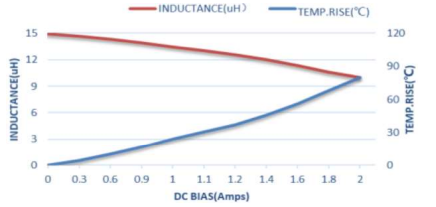
GSFH3012PB-4R7M



GSFH3012PB-100M

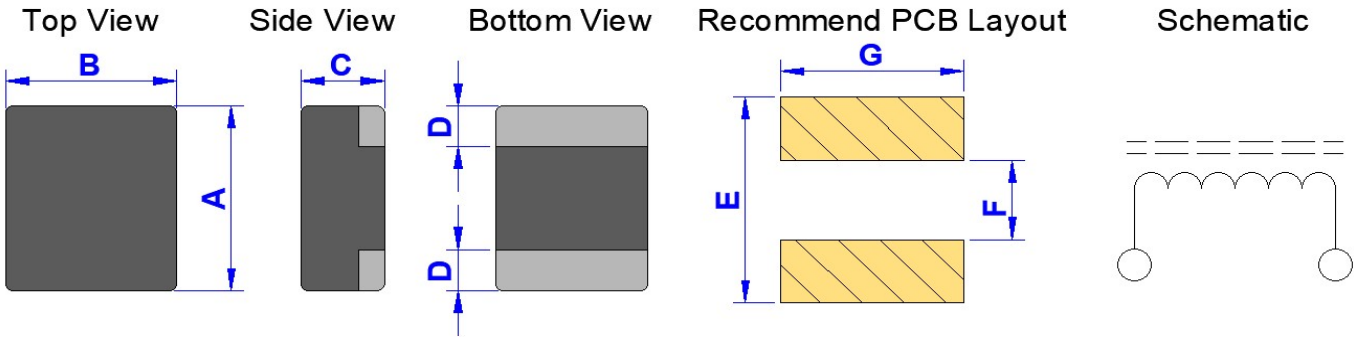


GSFH3012PB-150M



GSFH3015P-SERIES

Dimension [mm] :



Size Code	A (+/-0.1)	B (+/-0.1)	C (Max.)	D (+/-0.2)	E (Ref.)	F (Ref.)	G (Ref.)
3015P	3.00	3.00	1.50	1.00	3.00	0.80	3.00

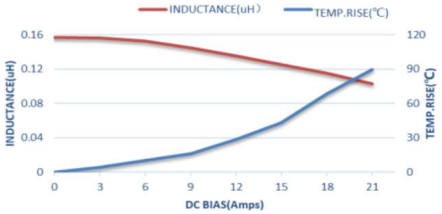
Electrical Characteristics :

Part No.	Inductance(uH)	Inductance Tolerance	DCR(m Ohm)		Irms(A)		Isat(A)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
GSFH3015PB-R15M	0.15	M	5.00	6.00	12.00	11.00	16.00	15.00
GSFH3015PB-R47M	0.47	M	9.00	11.00	9.00	8.00	10.00	9.00
GSFH3015PB-1R0M	1.00	M	18.00	22.00	6.00	5.50	7.00	6.50
GSFH3015PB-1R5M	1.50	M	22.00	26.00	8.00	7.50	6.00	5.50
GSFH3015PB-2R2M	2.20	M	42.00	50.00	4.50	4.00	5.00	4.50
GSFH3015PB-4R7M	4.70	M	87.00	104.00	3.50	3.00	4.00	3.50
GSFH3015PB-6R8M	6.80	M	160.00	180.00	2.50	2.00	3.50	3.00
GSFH3015PB-100M	10.00	M	185.00	215.00	2.00	1.50	2.80	2.50
GSFH3015PB-220M	22.00	M	580.00	700.00	1.20	1.00	1.60	1.20

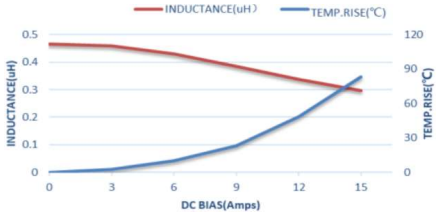
* **Inductance Test Condition :** @1MHz , 1.0Vrms , 25℃ Ambient
* **Inductance Tolerance :** M = +/-20%
* **Irms :** Rated Current Loading when temperature rise approximately ΔT of 40℃
* **Isat :** Saturated Current measured at the point of L drop approximately 30%
* **The part temperature (ambient + temp rise) :** should not exceed 125℃ under worst case operating conditions. Circuit design, component,PCB trace size and thickness,airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
* **The rated current as listed :** is either the saturation current or the heating current depending on which value is lower.

Typical Performance Curves :

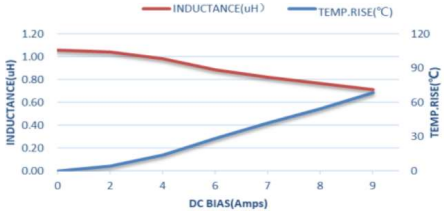
GSFH3015PB-R15M



GSFH3015PB-R47M



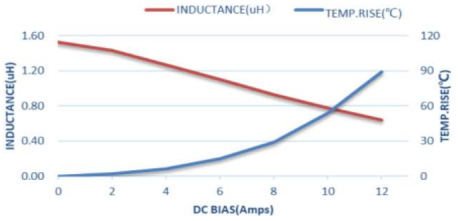
GSFH3015PB-1R0M



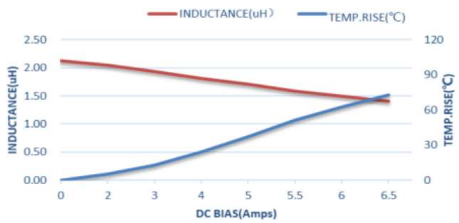
GSFH3015P-SERIES

Typical Performance Curves :

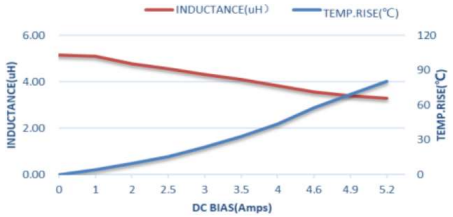
GSFH3015PD-1R5M



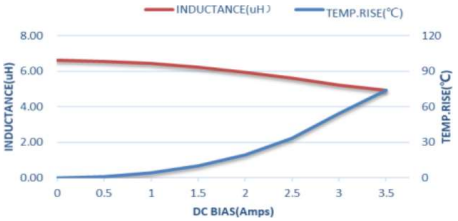
GSFH3015PD-2R2M



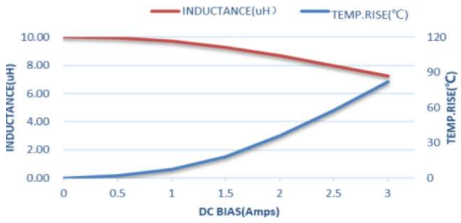
GSFH3015PD-4R7M



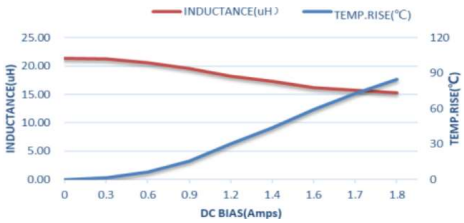
GSFH3015PD-6R8M



GSFH3015PD-100M

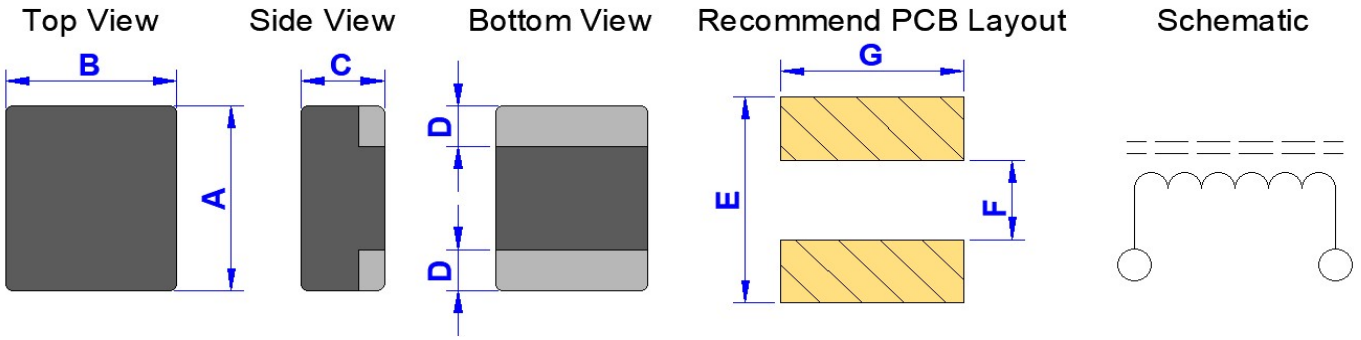


GSFH3015PD-220M



GSFH3018P-SERIES

Dimension [mm] :



Size Code	A (+/-0.1)	B (+/-0.1)	C (Max.)	D (+/-0.2)	E (Ref.)	F (Ref.)	G (Ref.)
3018P	3.00	3.00	1.80	1.00	3.00	0.80	3.00

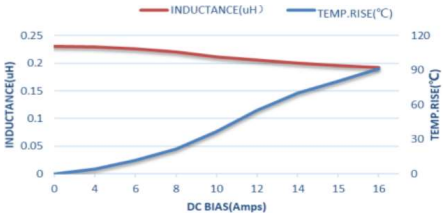
Electrical Characteristics :

Part No.	Inductance(uH)	Inductance Tolerance	DCR(m Ohm)		Irms(A)		Isat(A)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
GSFH3018PB-R22M	0.22	M	5.50	7.00	10.00	9.00	17.00	16.00
GSFH3018PB-R47M	0.47	M	8.00	10.00	9.00	8.00	12.00	11.00
GSFH3018PB-1R0M	1.00	M	15.00	21.00	6.30	5.80	7.60	6.80
GSFH3018PB-1R5M	1.50	M	20.00	26.00	6.80	6.40	8.00	7.00
GSFH3018PB-4R7M	4.70	M	72.00	87.00	3.40	3.00	4.70	4.20

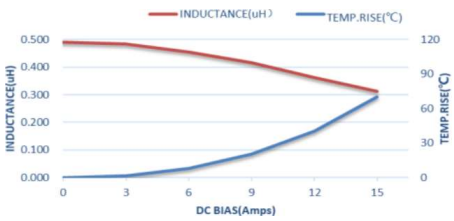
* **Inductance Test Condition :** @1MHz , 1.0Vrms , 25℃ Ambient
* **Inductance Tolerance :** M = +/-20%
* **Irms :** Rated Current Loading when temperature rise approximately ΔT of 40℃
* **Isat :** Saturated Current measured at the point of L drop approximately 30%
* **The part temperature (ambient + temp rise) :** should not exceed 125℃ under worst case operating conditions. Circuit design, component,PCB trace size and thickness,airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
* **The rated current as listed :** is either the saturation current or the heating current depending on which value is lower.

Typical Performance Curves :

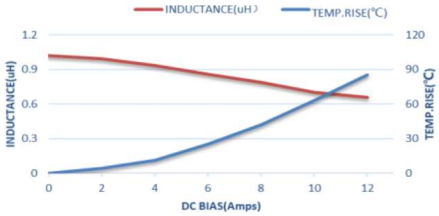
GSFH3018PB-R22M



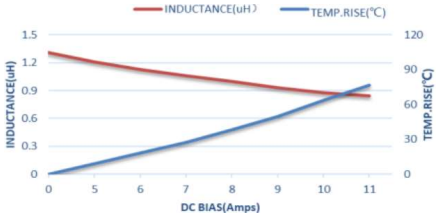
GSFH3018PB-R47M



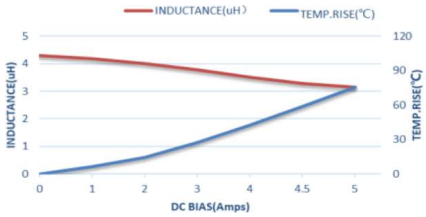
GSFH3018PB-1R0M



GSFH3018PB-1R5M

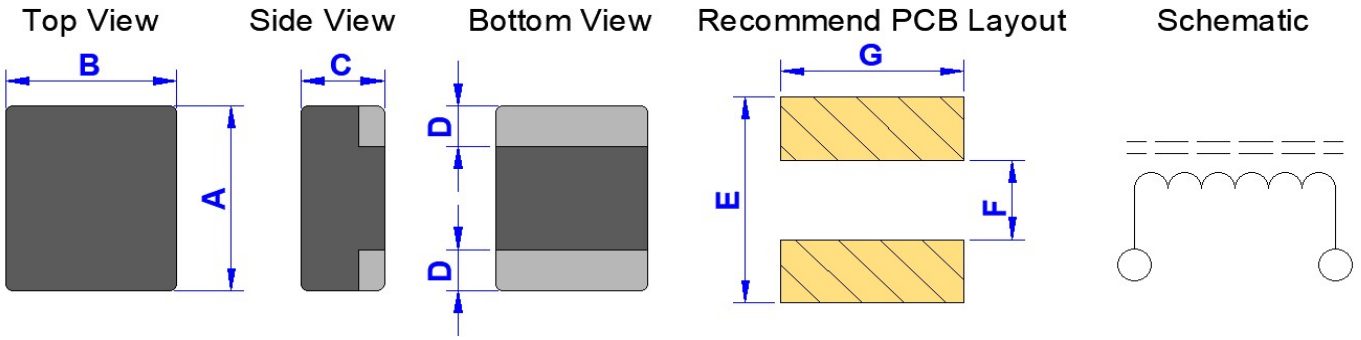


GSFH3018PB-4R7M



GSFH3020P-SERIES

Dimension [mm] :



Size Code	A (+/-0.1)	B (+/-0.1)	C (Max.)	D (+/-0.2)	E (Ref.)	F (Ref.)	G (Ref.)
3020P	3.00	3.00	2.00	1.00	3.00	0.80	3.00

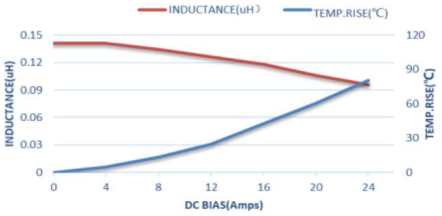
Electrical Characteristics :

Part No.	Inductance(uH)	Inductance Tolerance	DCR(m Ohm)		Irms(A)		Isat(A)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
GSFH3020PB-R15M	0.15	M	4.00	5.00	13.00	12.00	18.00	17.00
GSFH3020PB-R33M	0.33	M	7.50	9.00	10.00	9.00	17.00	15.00
GSFH3020PB-R47M	0.47	M	8.00	11.00	9.00	8.00	15.00	13.50
GSFH3020PB-R50M	0.50	M	9.00	12.00	9.00	8.00	15.00	13.00
GSFH3020PB-R68M	0.68	M	13.00	16.00	8.50	7.80	13.00	11.00
GSFH3020PB-1R0M	1.00	M	14.00	20.00	6.50	6.00	8.00	7.30
GSFH3020PB-1R5M	1.50	M	19.00	25.00	6.30	5.80	7.00	6.50
GSFH3020PB-2R2M	2.20	M	37.00	45.00	4.70	4.30	6.00	5.50
GSFH3020PB-3R3M	3.30	M	52.00	63.00	4.50	4.00	5.90	5.40
GSFH3020PB-4R7M	4.70	M	60.00	73.00	4.20	3.80	4.80	4.00
GSFH3020PB-6R8M	6.80	M	107.00	135.00	3.20	3.00	4.50	3.80
GSFH3020PB-100M	10.00	M	135.00	160.00	2.50	2.20	3.80	3.30
GSFH3020PB-150M	15.00	M	235.00	260.00	1.80	1.50	2.60	2.20

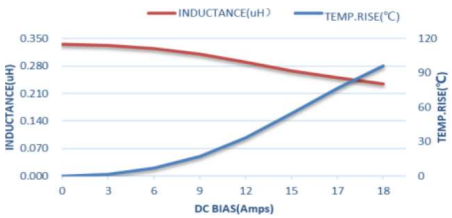
* **Inductance Test Condition :** @1MHz , 1.0Vrms , 25℃ Ambient
* **Inductance Tolerance :** M = +/-20%
* **Irms :** Rated Current Loading when temperature rise approximately ΔT of 40℃
* **Isat :** Saturated Current measured at the point of L drop approximately 30%
* **The part temperature (ambient + temp rise) :** should not exceed 125℃ under worst case operating conditions. Circuit design, component,PCB trace size and thickness,airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
* **The rated current as listed :** is either the saturation current or the heating current depending on which value is lower.

Typical Performance Curves :

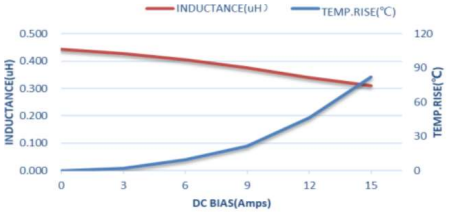
GSFH3020PB-R15M



GSFH3020PB-R33M



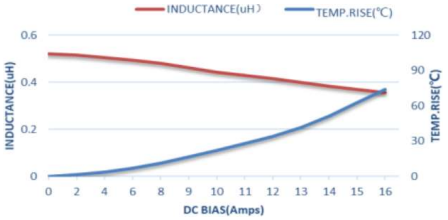
GSFH3020PB-R47M



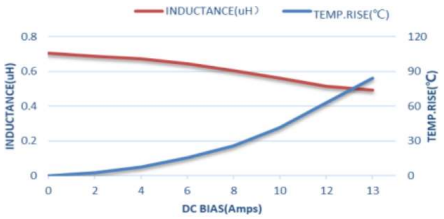
GSFH3020P-SERIES

Typical Performance Curves :

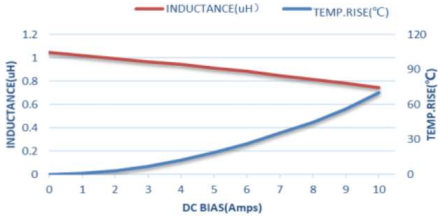
GSFH3020PB-R50M



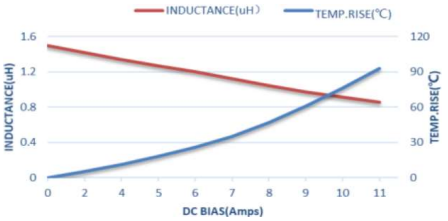
GSFH3020PB-R68M



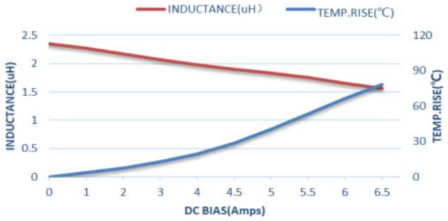
GSFH3020PB-1R0M



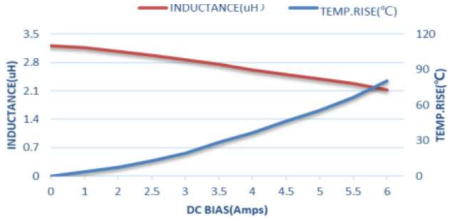
GSFH3020PB-1R5M



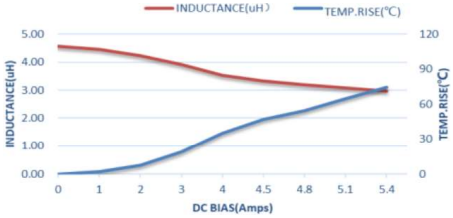
GSFH3020PB-2R2M



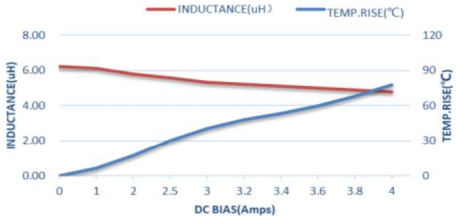
GSFH3020PB-3R3M



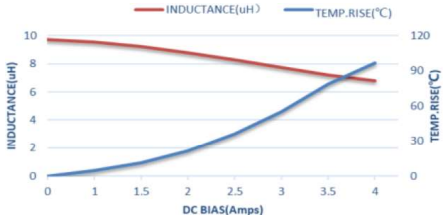
GSFH3020PB-4R7M



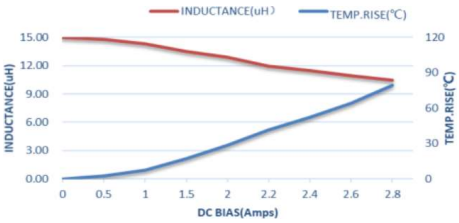
GSFH3020PB-6R8M



GSFH3020PB-100M

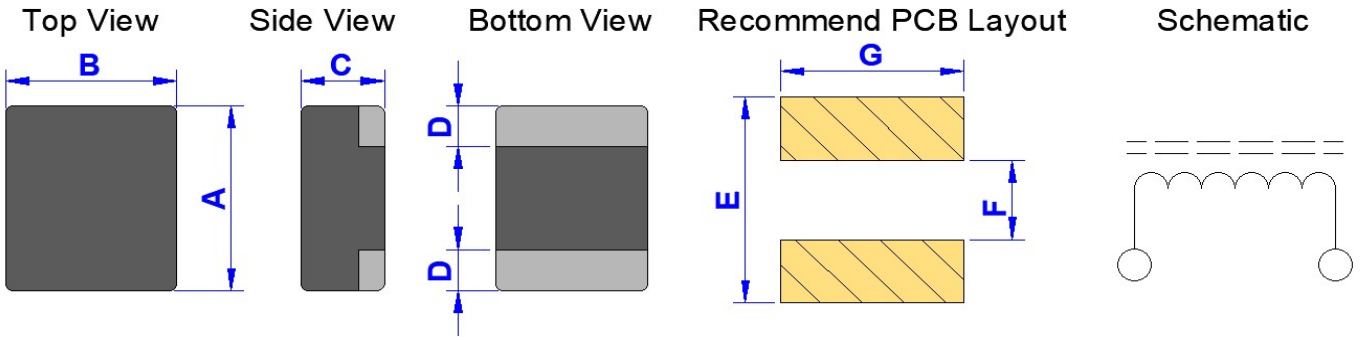


GSFH3020PB-150M



GSFH4010P-SERIES

Dimension [mm] :



Size Code	A (+/-0.2)	B (+/-0.2)	C (Max.)	D (+/-0.2)	E (Ref.)	F (Ref.)	G (Ref.)
4010P	4.10	4.10	1.00	1.40	4.10	1.10	4.10

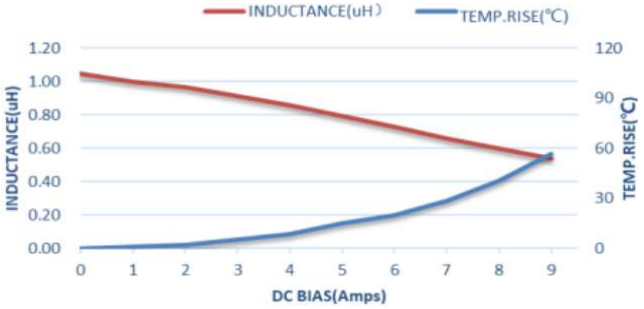
Electrical Characteristics :

Part No.	Inductance(uH)	Inductance Tolerance	DCR(m Ohm)		Irms(A)		Isat(A)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
GSFH4010PB-1R0M	1.00	M	22.00	26.00	7.00	6.50	5.30	4.80
GSFH4010PB-100M	10.00	M	220.00	280.00	2.50	2.00	2.20	2.00

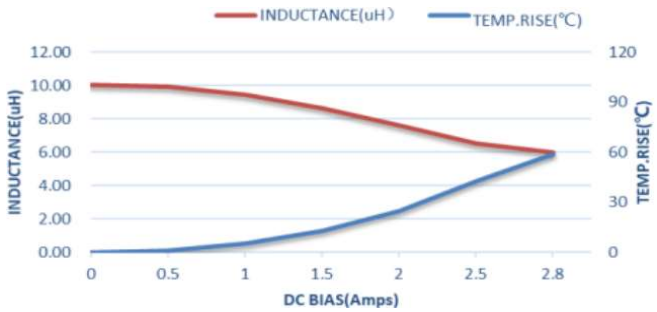
* **Inductance Test Condition :** @1MHz , 1.0Vrms , 25℃ Ambient
* **Inductance Tolerance :** M = +/-20%
* **Irms :** Rated Current Loading when temperature rise approximately ΔT of 40℃
* **Isat :** Saturated Current measured at the point of L drop approximately 30%
* **The part temperature (ambient + temp rise) :** should not exceed 125℃ under worst case operating conditions. Circuit design, component,PCB trace size and thickness,airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
* **The rated current as listed :** is either the saturation current or the heating current depending on which value is lower.

Typical Performance Curves :

GSFH4010PB-1R0M

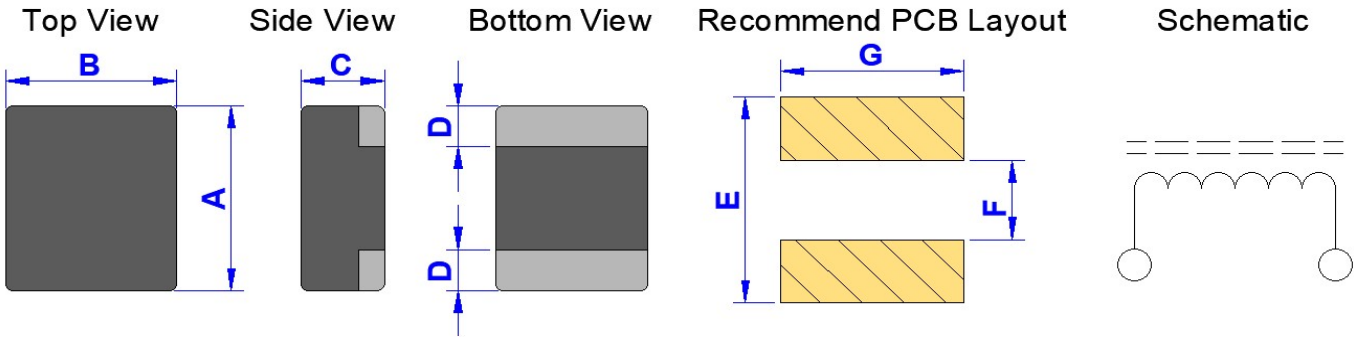


GSFH4010PB-100M



GSFH4012P-SERIES

Dimension [mm] :



Size Code	A (+/-0.2)	B (+/-0.2)	C (Max.)	D (+/-0.2)	E (Ref.)	F (Ref.)	G (Ref.)
4012P	4.10	4.10	1.20	1.40	4.10	1.10	4.10

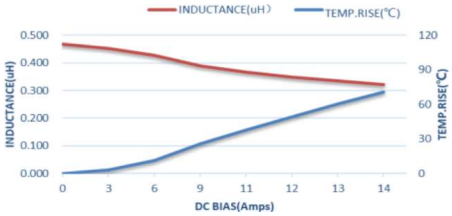
Electrical Characteristics :

Part No.	Inductance(uH)	Inductance Tolerance	DCR(m Ohm)		Irms(A)		Isat(A)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
GSFH4012PB-R47M	0.47	M	11.50	14.00	9.00	8.50	12.00	11.50
GSFH4012PB-R68M	0.68	M	15.00	18.00	8.50	7.50	10.00	9.00
GSFH4012PB-1R0M	1.00	M	21.00	25.00	6.30	5.50	11.00	10.00
GSFH4012PB-1R5M	1.50	M	29.00	34.50	6.00	5.00	8.00	7.00
GSFH4012PB-2R2M	2.20	M	45.00	55.00	5.00	4.50	6.50	6.00
GSFH4012PB-3R3M	3.30	M	67.00	80.00	4.50	4.00	5.50	5.00
GSFH4012PB-4R7M	4.70	M	90.00	110.00	3.50	3.00	5.00	4.50
GSFH4012PB-5R6M	5.60	M	116.00	140.00	3.00	2.50	4.50	4.00
GSFH4012PB-6R8M	6.80	M	132.00	160.00	2.80	2.30	3.80	3.50
GSFH4012PB-100M	10.00	M	200.00	235.00	2.50	2.00	2.80	2.50

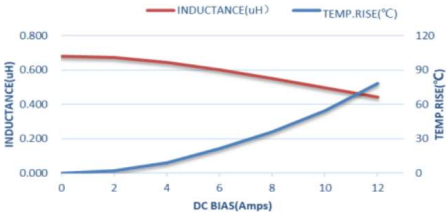
* **Inductance Test Condition :** @1MHz , 1.0Vrms , 25℃ Ambient
* **Inductance Tolerance :** M = +/-20%
* **Irms :** Rated Current Loading when temperature rise approximately ΔT of 40℃
* **Isat :** Saturated Current measured at the point of L drop approximately 30%
* **The part temperature (ambient + temp rise) :** should not exceed 125℃ under worst case operating conditions. Circuit design, component,PCB trace size and thickness,airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
* **The rated current as listed :** is either the saturation current or the heating current depending on which value is lower.

Typical Performance Curves :

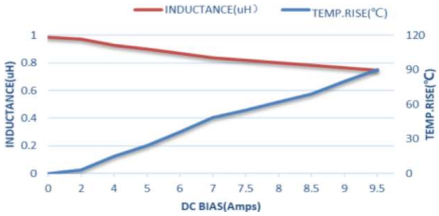
GSFH4012PB-R47M



GSFH4012PB-R68M



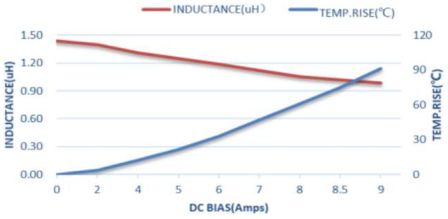
GSFH4012PB-1R0M



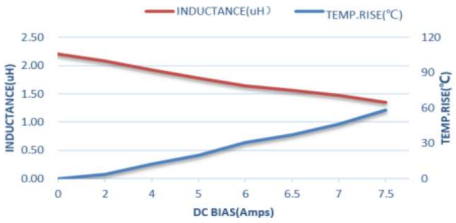
GSFH4012P-SERIES

Typical Performance Curves :

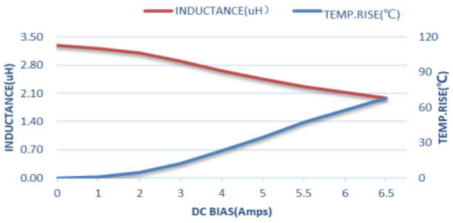
GSFH4012PB-1R5M



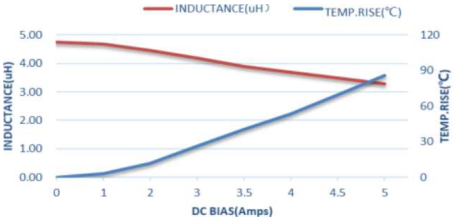
GSFH4012PB-2R2M



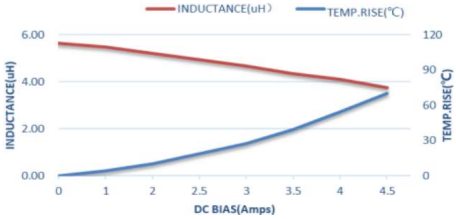
GSFH4012PB-3R3M



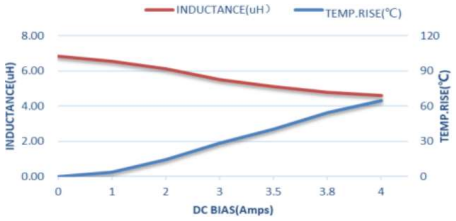
GSFH4012PB-4R7M



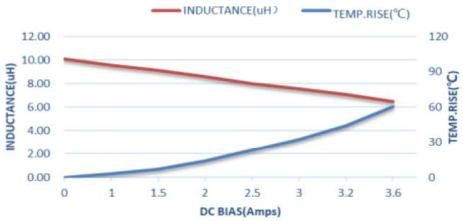
GSFH4012PB-5R6M



GSFH4012PB-6R8M

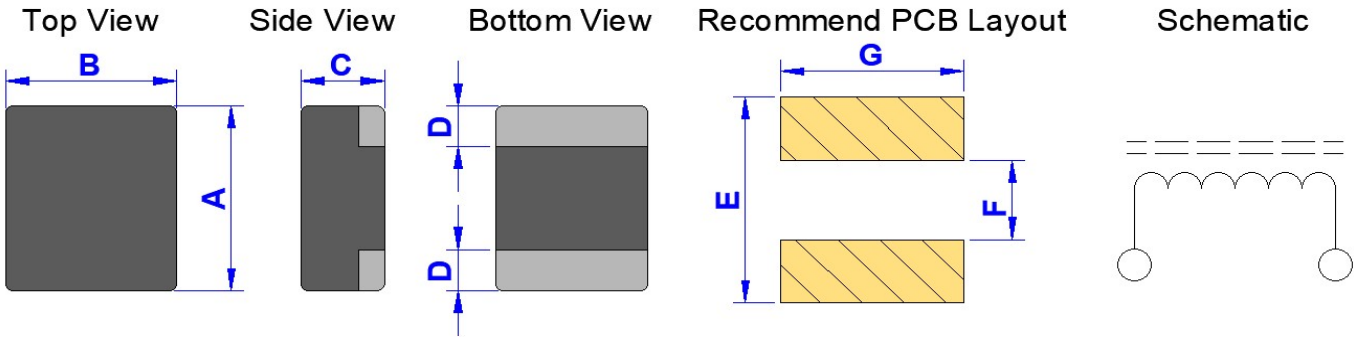


GSFH4012PB-100M



GSFH4020P-SERIES

Dimension [mm] :



Size Code	A (+/-0.2)	B (+/-0.2)	C (Max.)	D (+/-0.2)	E (Ref.)	F (Ref.)	G (Ref.)
4020P	4.10	4.10	2.00	1.40	4.10	1.10	4.10

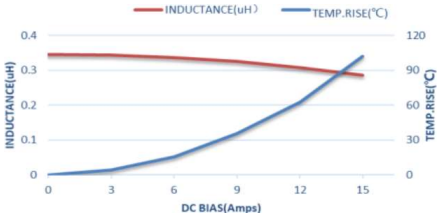
Electrical Characteristics :

Part No.	Inductance(uH)	Inductance Tolerance	DCR(m Ohm)		Irms(A)		Isat(A)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
GSFH4020PB-R33M	0.33	M	5.00	6.00	9.50	8.50	18.00	17.00
GSFH4020PG-R47M	0.47	M	7.00	8.50	8.50	8.00	16.00	15.00
GSFH4020PG-1R0M	1.00	M	12.00	14.50	6.50	6.00	12.50	11.50
GSFH4020PG-1R5M	1.50	M	18.00	22.00	6.00	5.50	10.50	9.50
GSFH4020PG-2R2M	2.20	M	30.00	36.00	5.50	5.00	9.50	8.50
GSFH4020PG-3R3M	3.30	M	35.00	40.00	6.30	5.80	8.00	7.00
GSFH4020PG-4R7M	4.70	M	47.00	58.00	5.00	4.00	6.30	5.50
GSFH4020PG-6R8M	6.80	M	90.00	105.00	3.70	3.20	5.40	4.50
GSFH4020PG-100M	10.00	M	113.00	135.00	3.40	3.00	4.90	4.00
GSFH4020PG-150M	15.00	M	210.00	250.00	2.30	1.70	3.50	3.00
GSFH4020PG-220M	22.00	M	275.00	330.00	1.80	1.30	2.90	2.30

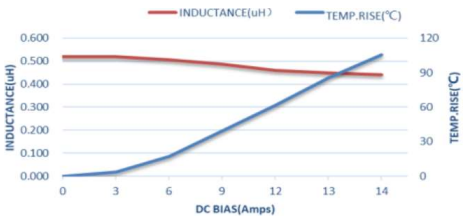
* **Inductance Test Condition :** @1MHz , 1.0Vrms , 25℃ Ambient
* **Inductance Tolerance :** M = +/-20%
* **Irms :** Rated Current Loading when temperature rise approximately ΔT of 40℃
* **Isat :** Saturated Current measured at the point of L drop approximately 30%
* **The part temperature (ambient + temp rise) :** should not exceed 125℃ under worst case operating conditions. Circuit design, component,PCB trace size and thickness,airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
* **The rated current as listed :** is either the saturation current or the heating current depending on which value is lower.

Typical Performance Curves :

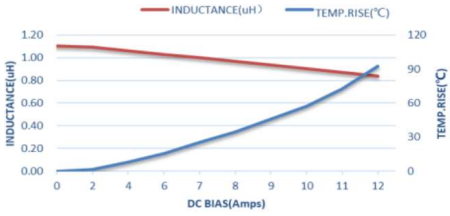
GSFH4020PB-R33MBA



GSFH4020PG-R47M



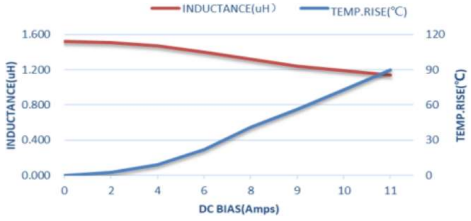
GSFH4020PG-1R0M



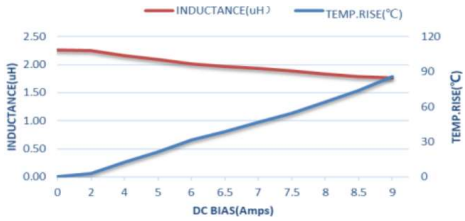
GSFH4020P-SERIES

Typical Performance Curves :

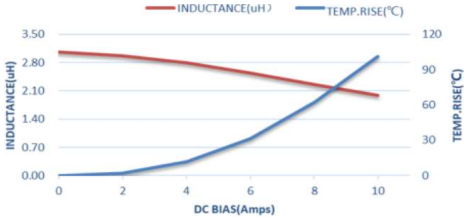
GSFH4020PG-1R5M



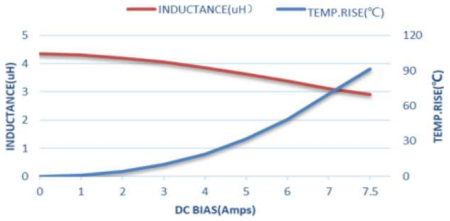
GSFH4020PG-2R2M



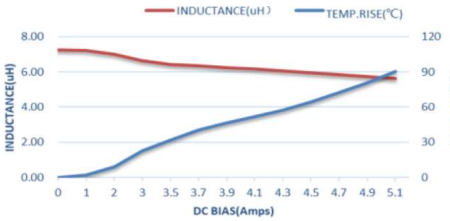
GSFH4020PG-3R3M



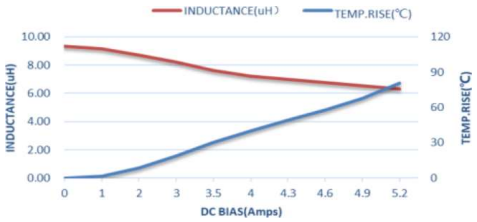
GSFH4020PG-4R7M



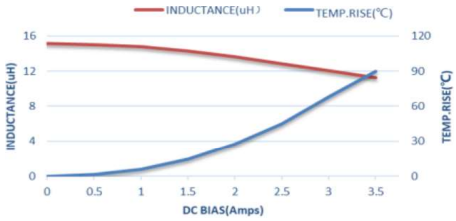
GSFH4020PG-6R8M



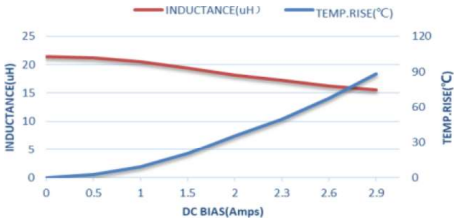
GSFH4020PG-100M



GSFH4020PG-150M

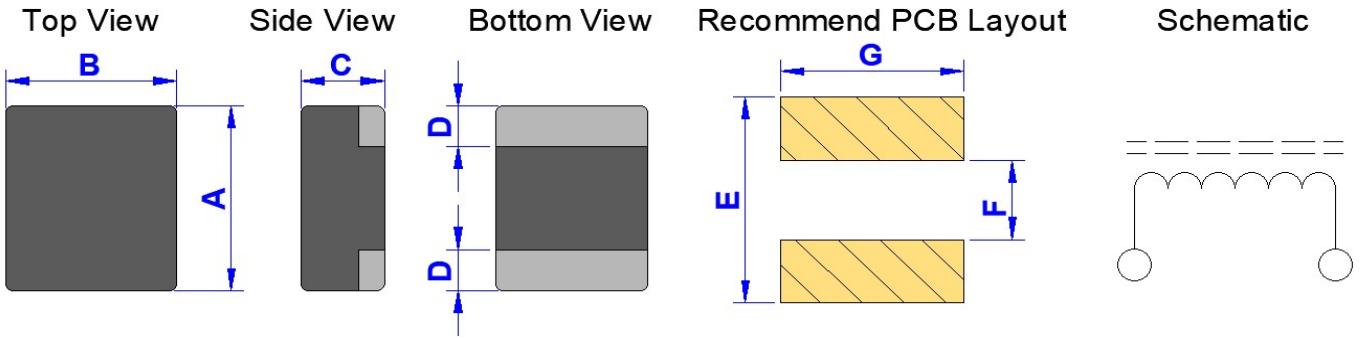


GSFH4020PG-220M



GSFH4030P-SERIES

Dimension [mm] :



Size Code	A (+/-0.2)	B (+/-0.2)	C (Max.)	D (+/-0.2)	E (Ref.)	F (Ref.)	G (Ref.)
4030P	4.10	4.10	3.00	1.40	4.10	1.10	4.10

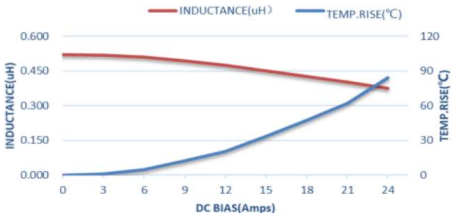
Electrical Characteristics :

Part No.	Inductance(uH)	Inductance Tolerance	DCR(m Ohm)		Irms(A)		Isat(A)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
GSFH4030PB-R47M	0.47	M	5.50	7.00	15.00	14.00	23.00	21.00
GSFH4030PB-R68M	0.68	M	8.30	10.00	9.50	8.00	17.00	15.00
GSFH4030PG-1R0M	1.00	M	10.00	12.00	10.00	9.00	15.50	14.00
GSFH4030PG-1R5M	1.50	M	15.00	18.00	6.50	6.00	12.50	11.00
GSFH4030PG-2R2M	2.20	M	19.00	22.00	9.00	8.50	10.50	9.50
GSFH4030PG-3R3M	3.30	M	30.00	35.00	5.30	4.80	8.50	7.50
GSFH4030PG-4R7M	4.70	M	41.00	46.00	4.30	4.00	7.00	6.00
GSFH4030PB-6R8M	6.80	M	51.00	62.00	4.20	3.80	6.30	5.10
GSFH4030PB-100M	10.00	M	92.00	110.00	3.70	3.30	4.90	4.50

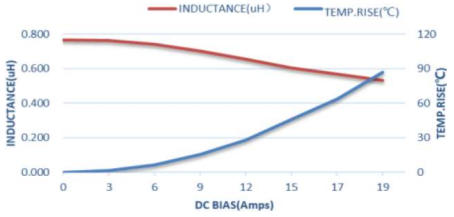
* **Inductance Test Condition :** @1MHz , 1.0Vrms , 25℃ Ambient
* **Inductance Tolerance :** M = +/-20%
* **Irms :** Rated Current Loading when temperature rise approximately ΔT of 40℃
* **Isat :** Saturated Current measured at the point of L drop approximately 30%
* **The part temperature (ambient + temp rise) :** should not exceed 125℃ under worst case operating conditions. Circuit design, component,PCB trace size and thickness,airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
* **The rated current as listed :** is either the saturation current or the heating current depending on which value is lower.

Typical Performance Curves :

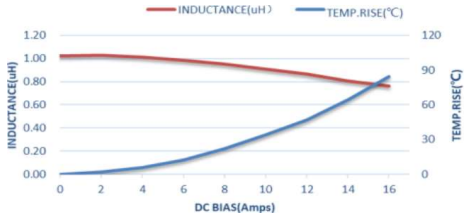
GSFH4030PB-R47M



GSFH4030PB-R68M



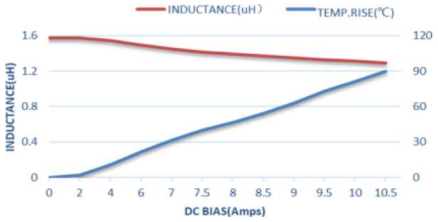
GSFH4030PG-1R0M



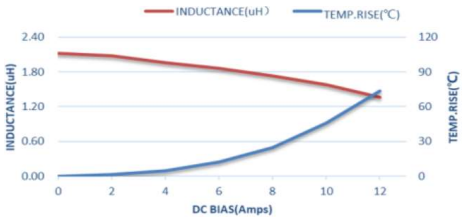
GSFH4030P-SERIES

Typical Performance Curves :

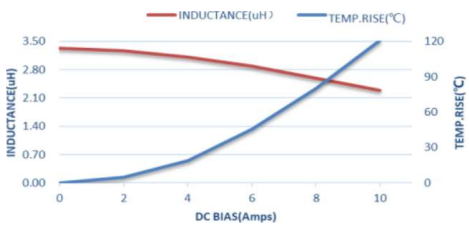
GSFH4030PG-1R5M



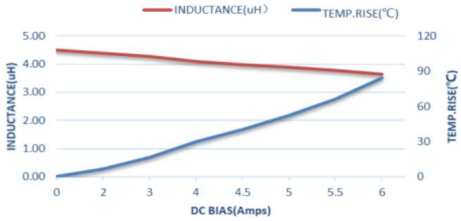
GSFH4030PG-2R2M



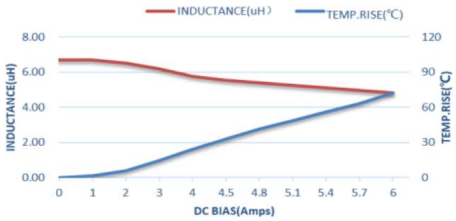
GSFH4030PG-3R3M



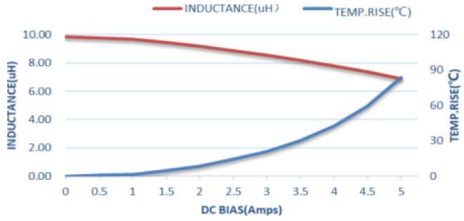
GSFH4030PG-4R7M



GSFH4030PB-6R8M



GSFH4030PB-100M



Care note :

Care note for Use :

(1) Storage Condition :

Temperature 25 to 35 °C , Humidity 45 to 60% RH

(2) Use Temperature :

a. Minimum Temperature : -55 ℃ Ambient temperature of this product.

b. Maximum Temperature : +125 °C The value of temperature including ambient and temperature rise of this product.

c. Reliability test temperature range from -55 ~ +125 ℃

d. However, this is not meant as temperature grade guarantee for UL.

(3) Model :

When this product was used in a similar or as new product to the original one, sometimes it might be unable to satisfy the specifications due to difference in condition of usage.

(4) Drop :

If this product suffered mechanical stress such as drop, characteristics may become poor (due to damage on coil / bobbin / ferrite … etc.)

Never use such stressed product.

Care note for Safety :

(1) Provision to Abnormal Condition :

This product itself does not have any protective function in abnormal condition such as overload, short-circuit and open-circuit conditions, etc.

Therefore, it shall be confirmed from the end product that there is no risk of smoking, fire, dielectric withstand voltage insulation resistance,etc. in abnormal conditions to provide protective devices and /or protection circuit in the end product.

(2) Temperature Rise :

Temperature rise on this product depends on the installation condition on end products.

It shall be confirmed on the actual end product that temperature rise of this product is within the specified temperature class limit.

(3) Dielectric Strength :

Dielectric withstanding test with higher voltage than specific value will damage insulating material and shorten its life.

(4) Water :

This product must not be used in wet condition resulted from water, coffee or any liquid contact because insulation strength becomes very low under such condition.

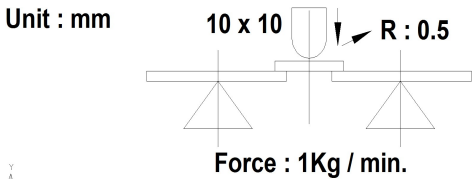
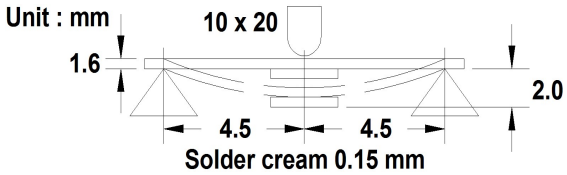
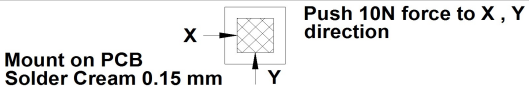
(5) Potting :

If this product is potted in some compound, coating material of magnet wire might be occasionally damaged. Please ask us if you intend to pot this product.

(6) Detergent :

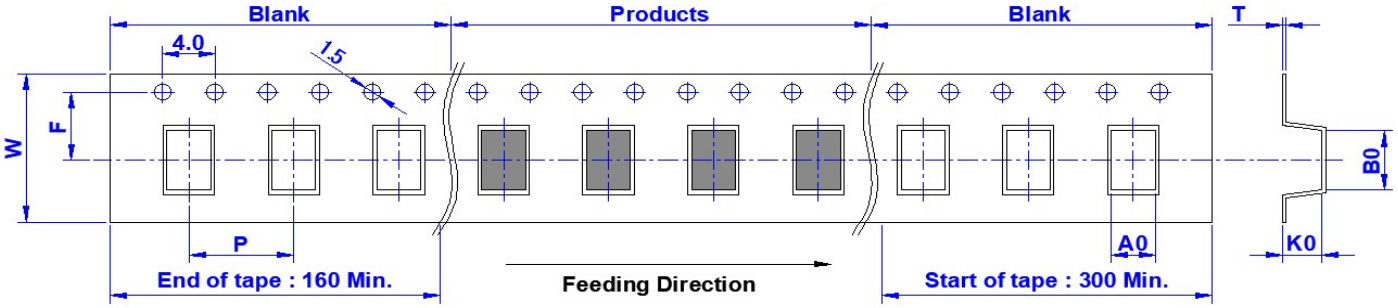
Please consult our company immediately once under such circumstances because product reliability confirmation etc. is needed when this product come in contact with these chemicals.

Reliability :

SN	Test Item	Test Condition	Specification
1	**Dimension**	Actual Size ...	Meet Spec
2	**Thermal Shock (Temperature Cycle)**	Temperature : -55 ~ +125 ℃ kept stabilized for 30 min. each Cycle : 100 Cycles (power off)	Elec. no variation Appearance no deformation
3	**Humidity Resistance**	Humidity : 90% ~ 95% RH Temperature : 60 ± 2 °C, Test Time : 96 ± 2 Hours	Elec. no variation Appearance no deformation
4	**HighTemperature**	Temperature : 125 ± 2 °C Testing Time : 96 ± 2 Hours	Elec. no variation Appearance no deformation
5	**Low Temperature**	Temperature : -55 ± 2 ℃ Time : 96 ± 2 Hours	Elec. no variation Appearance no deformation
6	**Temperature and Humidity Cycle**	Temperature / Humidity / Time 25 deg.C / 90% ~ 95% RH / 3.0 Hr 55 deg.C / 95% ~ 96% RH / 5.0 Hr 25 deg.C / 90% ~ 95% RH / 3.0 Hr Cycle : 20 Cycles	Elec. no variation Appearance no deformation
7	**Vibration**	Frequency : 10Hz ~ 55Hz, Amplitude : 1.5 mm Direction : X, Y, Z, Time : 2 Hours each	Elec. no variation Appearance no deformation
8	**Solderability**	Go through real SMT IR-Reflow .... The profile like our suggest profile. Preheat : 160 ± 10 deg.C (90 sec) Peak : 245 ± 5 deg.C Peak Time : 50 Sec. / up 217 deg.C	Elec. no variation Appearance no deformation
9	**Soldering Heat Resistance**	Preheat : 160 ± 10 deg.C (90 sec) Solder : Sn / Ag / Cu (Pb Free) Solder Temp. : 260 ± 5 deg.C, Time : 3 ± 1 seconds	Elec. no variation Appearance no deformation
10	**Iron Solder Heat Resistance**	Solder Temp. : 350 ± 5 deg.C Flux : Rosin, Time : 3 ± 1 seconds	Elec. no variation Appearance no deformation
11	**Bending Strength**		Elec. no variation Appearance no deformation
12	**Flexure Strength**		Elec. no variation Appearance no deformation
13	**Terminal Strength**		Elec. no variation Appearance no deformation
14	**High-Voltage**	100 V DC between core & winding	Elec. no variation Appearance no deformation
15	**Load life**	Temperature : 25 ± 3 deg.C Load : Allowed DC Current, Test Time : 96 ± 2 Hours	Elec. no variation Appearance no deformation

Packaging Information :

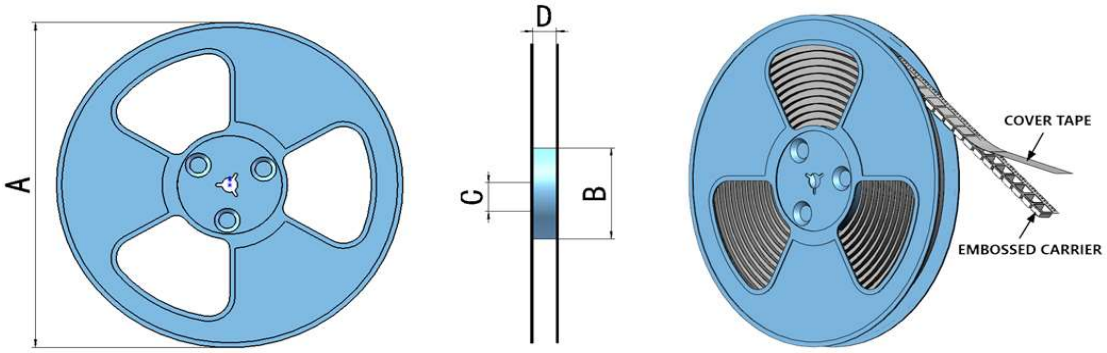
Tape Dimension (mm)



SIZE/mm	W	P	A0	B0	K0	T	F
100765	8.00	4.00	0.90	1.25	0.80	0.22	3.50
121065	8.00	4.00	1.30	1.50	0.80	0.22	3.50
160806	8.00	4.00	1.00	1.82	0.80	0.22	3.50
160865	8.00	4.00	1.00	1.82	0.80	0.22	3.50
160808	8.00	4.00	1.04	1.82	0.95	0.22	3.50
141265	8.00	4.00	1.50	1.70	0.80	0.22	3.50
141207	8.00	4.00	1.50	1.70	0.95	0.22	3.50
141208	8.00	4.00	1.50	1.70	0.95	0.22	3.50
201206	8.00	4.00	1.40	2.25	0.80	0.25	3.50
201265	8.00	4.00	1.40	2.25	0.80	0.25	3.50
201208	8.00	4.00	1.50	2.30	1.00	0.22	3.50
201210	8.00	4.00	1.50	2.35	1.20	0.22	3.50
201212	8.00	4.00	1.50	2.35	1.40	0.22	3.50
201655	8.00	4.00	1.95	2.45	0.80	0.25	3.50
201665	8.00	4.00	1.95	2.45	0.80	0.25	3.50
201608	8.00	4.00	1.90	2.35	1.00	0.25	3.50
201610	8.00	4.00	1.95	2.35	1.15	0.25	3.50
201612	8.00	4.00	1.90	2.30	1.35	0.25	3.50
252075	8.00	4.00	2.35	2.80	1.00	0.23	3.50
252008	8.00	4.00	2.35	2.80	1.00	0.23	3.50
252010	8.00	4.00	2.45	2.80	1.20	0.25	3.50
252012	8.00	4.00	2.35	2.80	1.35	0.23	3.50
322510	8.00	4.00	2.80	3.50	1.15	0.25	3.50
322512	8.00	4.00	2.90	3.50	1.35	0.25	3.50
322520	8.00	4.00	2.90	3.50	2.20	0.23	3.50
3010	12.00	8.00	3.40	3.40	1.40	0.30	5.50
3012	12.00	8.00	3.40	3.40	1.40	0.30	5.50
3015	12.00	8.00	3.40	3.40	1.70	0.30	5.50
3018	12.00	8.00	3.25	3.25	2.00	0.23	5.50
3020	12.00	8.00	3.40	3.45	2.20	0.30	5.50
4012	12.00	8.00	4.40	4.40	1.30	0.30	5.50
4020	12.00	8.00	4.40	4.40	2.20	0.30	5.50
4030	12.00	8.00	4.40	4.40	3.10	0.35	5.50

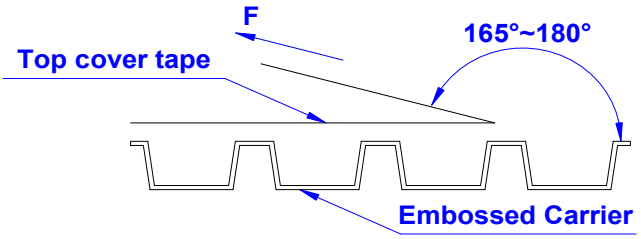
Packaging Information :

Reel Dimension (mm)



SIZE/mm	REEL SIZE	A	B	C	D	QTY / REEL
100765	7” × 8 mm	178	60	13	8.4	5,000 PCS
121065	7” × 8 mm	178	60	13	8.4	3,000 PCS
160806	7” × 8 mm	178	60	13	8.4	3,000 PCS
160865	7” × 8 mm	178	60	13	8.4	3,000 PCS
160808	7” × 8 mm	178	60	13	8.4	3,000 PCS
141265	7” × 8 mm	178	60	13	8.4	3,000 PCS
141207	7” × 8 mm	178	60	13	8.4	3,000 PCS
141208	7” × 8 mm	178	60	13	8.4	3,000 PCS
201206	7” × 8 mm	178	60	13	8.4	3,000 PCS
201265	7” × 8 mm	178	60	13	8.4	3,000 PCS
201208	7” × 8 mm	178	60	13	8.4	3,000 PCS
201210	7” × 8 mm	178	60	13	8.4	3,000 PCS
201212	7” × 8 mm	178	60	13	8.4	3,000 PCS
201655	7” × 8 mm	178	60	13	8.4	3,000 PCS
201665	7” × 8 mm	178	60	13	8.4	3,000 PCS
201608	7” × 8 mm	178	60	13	8.4	3,000 PCS
201610	7” × 8 mm	178	60	13	8.4	3,000 PCS
201612	7” × 8 mm	178	60	13	8.4	3,000 PCS
252075	7” × 8 mm	178	60	13	8.4	3,000 PCS
252008	7” × 8 mm	178	60	13	8.4	3,000 PCS
252010	7” × 8 mm	178	60	13	8.4	3,000 PCS
252012	7” × 8 mm	178	60	13	8.4	3,000 PCS
322510	7” × 8 mm	178	60	13	8.4	3,000 PCS
322512	7” × 8 mm	178	60	13	8.4	3,000 PCS
322520	7” × 8 mm	178	60	13	8.4	2,000 PCS
3010	13” × 12 mm	330	100	13	12.5	3,000 PCS
3012	13” × 12 mm	330	100	13	12.5	3,000 PCS
3015	13” × 12 mm	330	100	13	12.5	3,000 PCS
3018	13” × 12 mm	330	100	13	12.5	3,000 PCS
3020	13” × 12 mm	330	100	13	12.5	3,000 PCS
4012	13” × 12 mm	330	100	13	12.5	3,000 PCS
4020	13” × 12 mm	330	100	13	12.5	3,000 PCS
4030	13” × 12 mm	330	100	13	12.5	2,000 PCS

Tearing Off Force

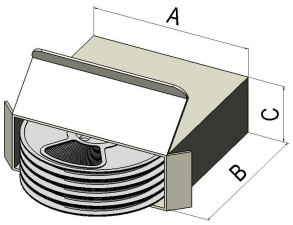


The force for tearing off cover tape is 10 to 130 grams in the arrow direction under the following conditions (referenced ANSI / EIA - 481 - D - 2008 of 4.11stadnard).

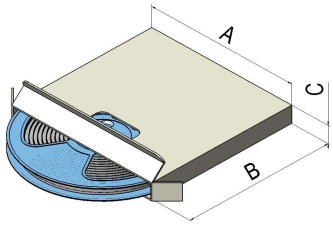
Room Temp. (°C)	Room Humidity (%)	Room Atm. (hPa)	Tearing Speed (mm / min)
5 ~ 35	45 ~ 85	860 ~ 1060	300

Packaging Information :

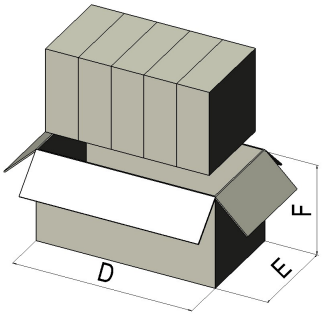
Box Package :



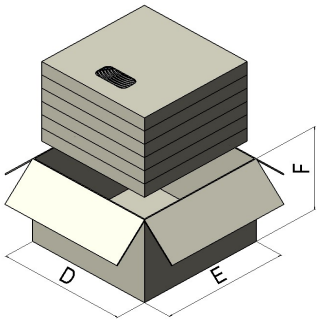
7" Small Box



13" Small Box



7" Large Box



13"Large Box

SIZE/mm	Rells size	A	B	C	Large Box	D	E	F	Reels in Small Box (QTY)	Small Box in Large Box(QTY)
100765	7"	190	195	75	7"	408	210	220	5(25,000)	5(125,000)
121065	7"	190	195	75	7"	408	210	220	5(15,000)	5(75,000)
160806	7"	190	195	75	7"	408	210	220	5(15,000)	5(75,000)
160865	7"	190	195	75	7"	408	210	220	5(15,000)	5(75,000)
160808	7"	190	195	75	7"	408	210	220	5(15,000)	5(75,000)
141265	7"	190	195	75	7"	408	210	220	5(15,000)	5(75,000)
141207	7"	190	195	75	7"	408	210	220	5(15,000)	5(75,000)
141208	7"	190	195	75	7"	408	210	220	5(15,000)	5(75,000)
201206	7"	190	195	75	7"	408	210	220	5(15,000)	5(75,000)
201265	7"	190	195	75	7"	408	210	220	5(15,000)	5(75,000)
201208	7"	190	195	75	7"	408	210	220	5(15,000)	5(75,000)
201210	7"	190	195	75	7"	408	210	220	5(15,000)	5(75,000)
201212	7"	190	195	75	7"	408	210	220	5(15,000)	5(75,000)
201655	7"	190	195	75	7"	408	210	220	5(15,000)	5(75,000)
201665	7"	190	195	75	7"	408	210	220	5(15,000)	5(75,000)
201608	7"	190	195	75	7"	408	210	220	5(15,000)	5(75,000)
201610	7"	190	195	75	7"	408	210	220	5(15,000)	5(75,000)
201612	7"	190	195	75	7"	408	210	220	5(15,000)	5(75,000)
252075	7"	190	195	75	7"	408	210	220	5(15,000)	5(75,000)
252008	7"	190	195	75	7"	408	210	220	5(15,000)	5(75,000)
252010	7"	190	195	75	7"	408	210	220	5(15,000)	5(75,000)
252012	7"	190	195	75	7"	408	210	220	5(15,000)	5(75,000)
322510	7"	190	195	75	7"	408	210	220	5(15,000)	5(75,000)
322512	7"	190	195	75	7"	408	210	220	5(15,000)	5(75,000)
322520	7"	190	195	75	7"	408	210	220	5(10,000)	5(50,000)
3010	13"	335	335	40	13"	350	350	220	2(6,000)	5(30,000)
3012	13"	335	335	40	13"	350	350	220	2(6,000)	5(30,000)
3015	13"	335	335	40	13"	350	350	220	2(6,000)	5(30,000)
3018	13"	335	335	40	13"	350	350	220	2(6,000)	5(30,000)
3020	13"	335	335	40	13"	350	350	220	2(6,000)	5(30,000)
4012	13"	335	335	40	13"	350	350	220	2(6,000)	5(30,000)
4020	13"	335	335	40	13"	350	350	220	2(6,000)	5(30,000)
4030	13"	335	335	40	13"	350	350	220	2(4,000)	5(20,000)