


Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize


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- (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.

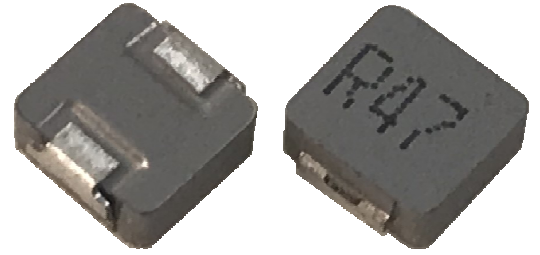
- ◆ The product itself is a powder metallurgy product, so the structure is relatively fragile, and it should not be used for products that are easy to fall. In addition, when this product is assembled, it should avoid collision with the tool or mechanism shell. 

- ◆ 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. 

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Features & Application :

- * High performance (Isat) realized by metal dust core.
- * Low profile : 4.5mm x 4.3mm x 2.0mm
- * Low loss realized with low DCR
- * Capable of corresponding high frequency (1MHz)
- * 100% lead (Pb) free meet RoHS standard
- * DC/DC converter for CPU in Notebook PC



(Picture for reference only)

Part No. Example :

PN	:	GSTC	061	P	[]	-	R10	M	S
-----		-----	-----	---	---		-----	---	---
ID	:	1	2	3	4		5	6	7
1	:	GOTREND Series : GSTC							
2	:	Type Size Code : 061=7.4 X 6.8 X 1.8							
3	:	P=Pb free < 1000ppm							
4	:	[B] : Material Code							
5	:	[L] Value : Inductance R10=0.10uH							
6	:	[L] Tolerance: M=+/-20%							
7	:	Materials : [N] [S] [F] type							

Basic Information :

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

Operating & Storage Condition :

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

Attention & Caution :

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



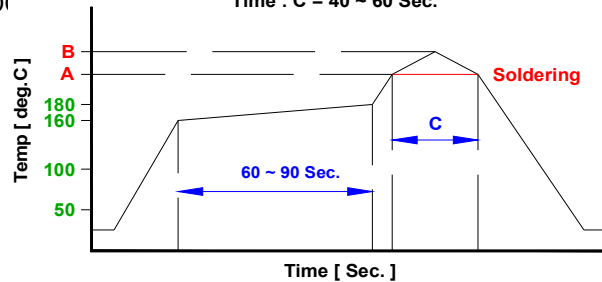
- * Pin foot or SMD pad solderability: Pb free type is best within 6 months after delivery
- * Humidity sensitive , IPC/JEDEC J-STD-020 MSL if over Level 1, recommend bake 30mins@150 degree before PCBA
- * Caution for human life relative applications : PLS contact & consult with GOTREND team in design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

Test Condition :

- * Equipment HP4284A , HP42841A - L , Q , DCR , ID
HP8753D Network analyzer - SRF
- * Standard Atmosphere Conditions:
Ambient Temperature 20 ± 15 deg.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 deg.C
Humidity RH 75 ± 10%

Recommend IR Reflow Curve : GTX-IR-FILE001

Lead Free Solder : A = 217 deg.C , B = 245+/-5 deg.C
Time : C = 40 ~ 60 Sec.



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

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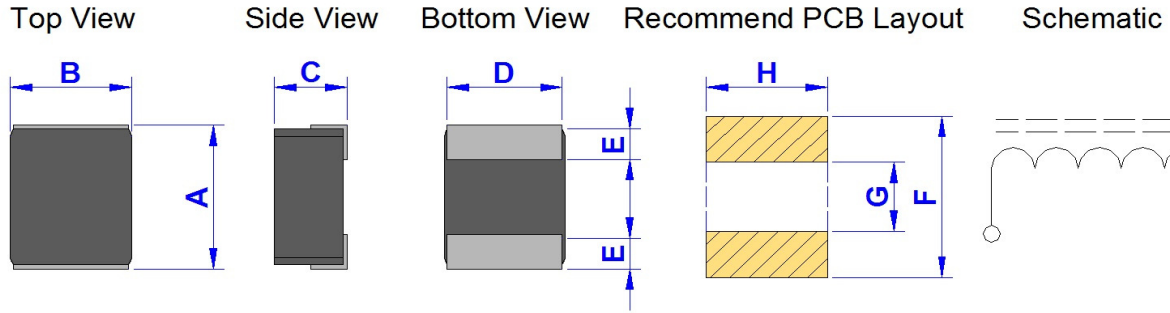
SMD Power Inductor - GSTC Series Type

Image	Part Name	A (mm)	B (mm)	C (mm)	Inductance Range (uH)			DCR (m Ohm)	Isat (A)	Irms (A)	Page
					1	100	1000				
	GSTC201610P	2.1	1.7	1.0	0.24	2.2	18.0-150.0	2.45-6.7	2.0-5.1	5-6	
	GSTC252012PB	2.7	2.2	1.2	0.22	3.3	8.0-144.0	2.0-7.0	1.75-7.3	7-8	
	GSTC042P	4.5	4.3	2.0	0.1	3.3	4.5-87.0	4.0-30.0	2.5-11.0	9-10	
	GSTC053P	5.2	4.9	3.0	0.1	6.8	2.0-110.0	3.5-34.0	3.0-32.0	11-13	
	GSTC061P	7.4	6.8	1.8	0.1	4.7	2.0-70.0	5.0-45.0	3.5-18.0	14-15	
	GSTC063P	7.3	6.8	3.0	0.1	10.0	1.5-68.0	5.5-60.0	4.0-32.5	16-19	
	GSTC064P	7.6	6.8	4.0	0.15	0.22	0.66-0.98	35.0-45.0	34.0-36.0	20-21	
	GSTC104P	11.5	10.3	4.0	0.15	3.3	0.50-16.5	16.0-75.0	9.5-40.0	22-24	
	GSTC133P	13.8	12.8	3.5	0.22	4.7	1.1-18.0	22.0-65.0	9.0-38.0	25-26	
	GSTC135P	14.0	12.8	5.2	0.15	6.8	0.55-18.5	21.0-110.0	11.0-45.0	27-29	
	GSTC4020PT	4.4	4.2	1.8	0.1	4.7	3.3-105.0	3.2-23.0	2.4-12.3	30-31	
	GSTC5018PH	5.4	5.2	1.6	0.33	10.0	5.7-154.0	2.8-19.1	2.3-16.0	32-33	
	GSTC6015PE	6.86	6.47	1.3	0.12	10.0	3.0-175.0	3.0-29.0	2.0-19.0	34-36	
	GSTC6018PH	7.05	6.6	1.6	0.22	10.0	4.3-153.0	3.0-29.0	2.3-18.0	37-38	
	GSTC6030PT	6.95	6.6	2.8	0.1	33.0	0.81-284.0	2.0-60.2	1.8-40.0	39-42	
	GSTC6040PT	7.6	6.6	3.8	0.15	0.42	0.66-1.55	19.0-50.0	21.0-40.0	43-44	
	GSTC1030PT	10.85	10.0	2.8	1.0	22.0	5.2-97.0	4.5-23.0	2.9-15.0	45-46	
	GSTC1040PT	11.15	10.0	3.8	0.22	4.7	0.6-13.8	16.0-72.0	11.0-50.0	47-48	
	GSTC1040PB	11.15	10.0	3.8	0.22	47.0	0.82-143.0	3.7-61.0	2.8-36.0	49-51	
	GSTC1040PL	11.15	10.0	3.8	0.22	1.0	0.6-2.3	28.0-72.0	22.5-50.0	52-53	
	GSTC1040PS	11.15	10.0	3.8	0.22	5.6	0.85-19.3	16.0-90.0	8.0-40.0	54-55	
	GSTC1045PE	10.85	10.0	4.3	2.2	6.8	5.8-24.0	9.5-18.0	7.0-14.0	56-57	
	GSTC1235PE	13.45	12.6	3.3	0.33	6.8	1.3-26.0	14.9-74.0	7.0-36.5	58-59	
	GSTC1250PT	13.45	12.6	4.8	0.47	22.0	0.95-58.0	5.7-55.0	4.1-37.0	60-61	
	GSTC1350PT	13.45	12.6	4.8	0.47	6.8	1.05-18.5	20.0-75.0	9.0-38.0	62-63	

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GSTC201610P-SERIES

Dimension [mm] :



A(Max.)	B(Max.)	C(Max.)	D+/-0.1	E+/-0.2	F(Ref.)	G(Ref.)	H(Ref.)
2.1	1.7	1.0	1.6	0.5	2.0	0.7	1.6

Electrical Characteristics :

Part No.	Inductance L(uH) +/- 20%	DCR (m Ohm) [Typ.] / [Max.]	Isat (Amp) [Typ.] / [Max.]	Irms (Amp) [Typ.] / [Max.]
GSTC201610P-R24M	0.24	18.0 / 23.0	6.70 / 6.10	5.10 / 4.50
GSTC201610P-R33M	0.33	21.0 / 26.0	5.70 / 5.20	4.80 / 4.40
GSTC201610P-R47M	0.47	26.0 / 32.0	4.90 / 4.50	4.40 / 4.05
GSTC201610P-R68M	0.68	40.0 / 50.0	4.60 / 4.00	3.40 / 3.10
GSTC201610P-1R0M	1.00	49.0 / 59.0	3.90 / 3.65	3.20 / 3.00
GSTC201610P-1R5M	1.50	99.0 / 109.0	3.00 / 2.70	2.35 / 2.05
GSTC201610P-2R2M	2.20	142.0 / 150.0	2.65 / 2.45	2.20 / 2.00

* Test Condition@1MHz,1.0Vrms, 25°C Ambient

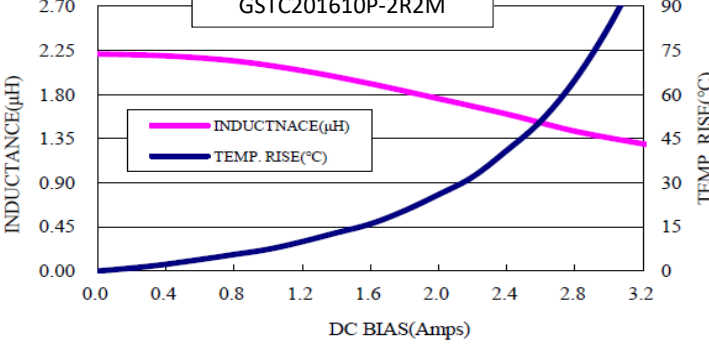
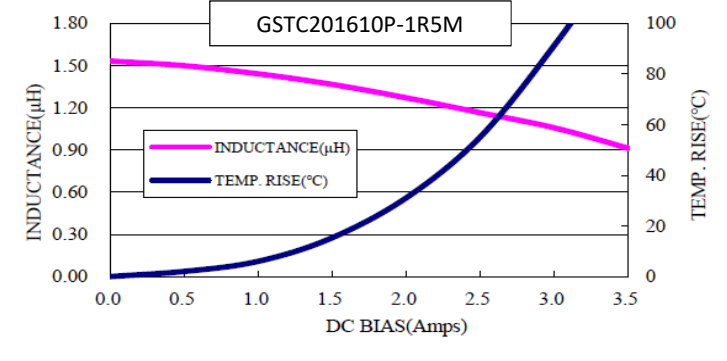
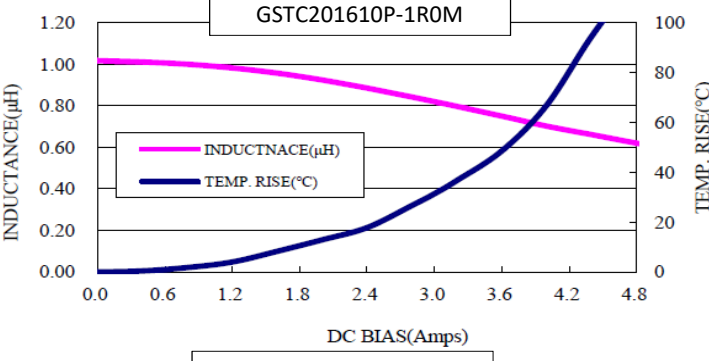
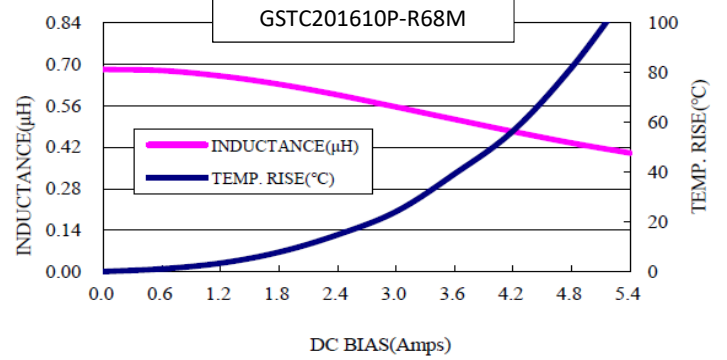
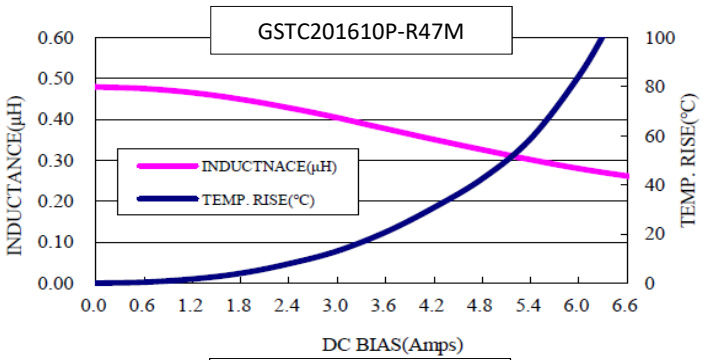
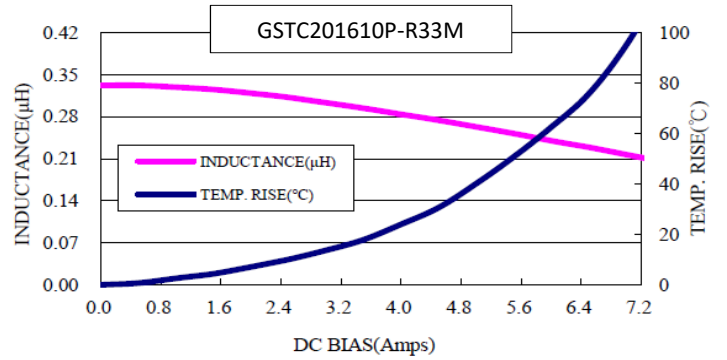
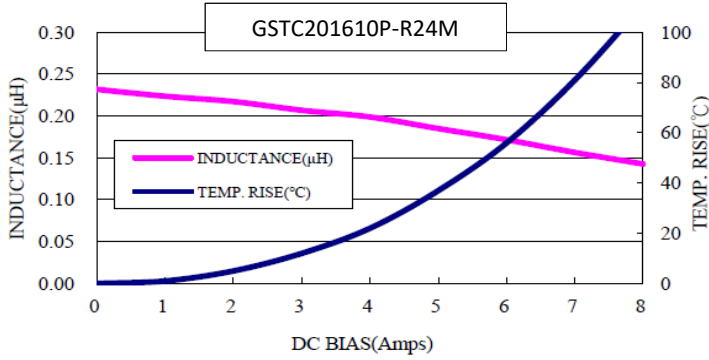
* Isat: Saturated Current measured at the point of L drop approximately 30%

* Irms: Rated Current Loading when temperature rise approximately 40deg.C

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GSTC201610P-SERIES

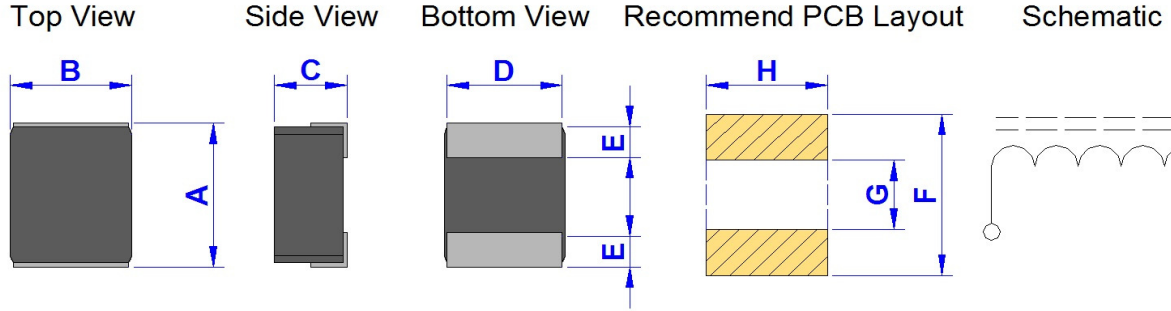
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GSTC252012PB-SERIES

Dimension [mm] :



A(Max.)	B(Max.)	C(Max.)	D+/-0.2	E+/-0.2	F(Ref.)	G(Ref.)	H(Ref.)
2.7	2.2	1.2	2.0	0.6	2.8	1.2	2.0

Electrical Characteristics :

Part No.	Inductance L(uH) +/- 20%	DCR (m Ohm) [Typ.] / [Max.]	Isat (Amp) Typ.	Irms (Amp) Typ.
GSTC252012PB-R22MS	0.22	8.0 / 10.0	7.00	7.30
GSTC252012PB-R33MS	0.33	14.0 / 17.0	5.80	5.50
GSTC252012PB-R47MS	0.47	23.0 / 28.0	5.00	4.50
GSTC252012PB-R50MS	0.50	25.0 / 30.0	4.80	4.30
GSTC252012PB-1R0MS	1.00	45.0 / 55.0	3.80	3.10
GSTC252012PB-1R5MS	1.50	58.0 / 70.0	2.90	2.70
GSTC252012PB-2R2MS	2.20	86.0 / 105.0	2.50	2.30
GSTC252012PB-3R3MS	3.30	120.0 / 144.0	2.00	1.75

* Test Condition@1MHz,1.0Vrms, 25°C Ambient

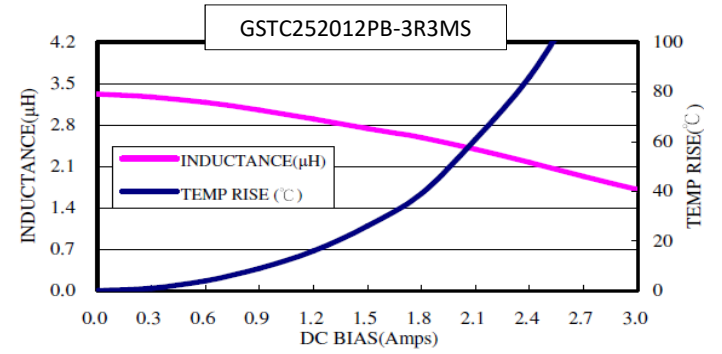
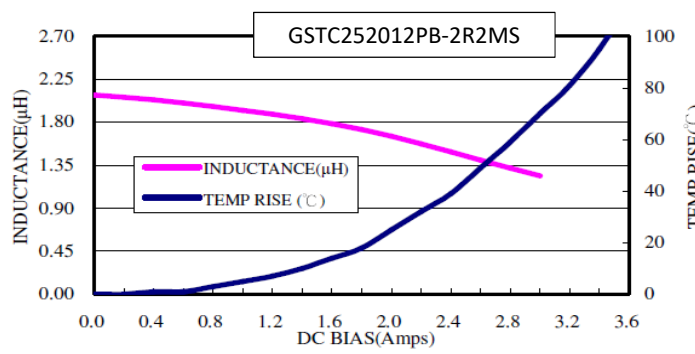
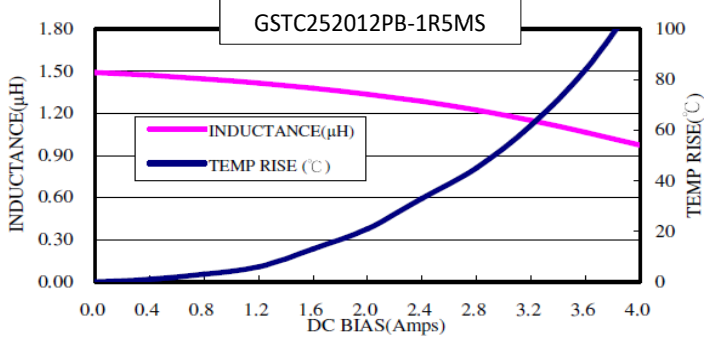
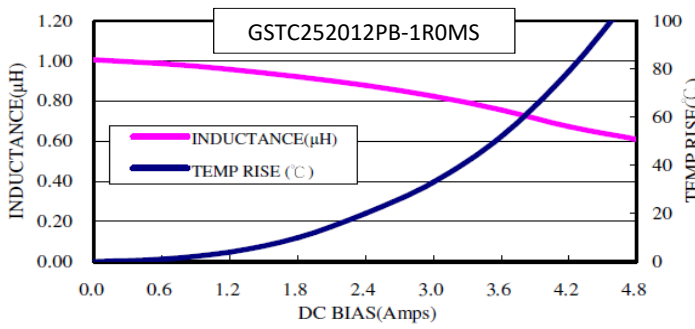
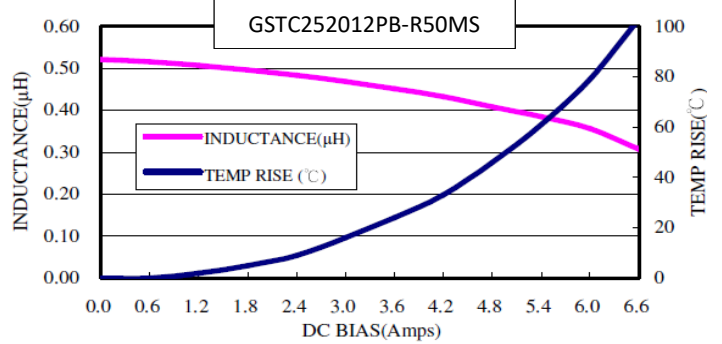
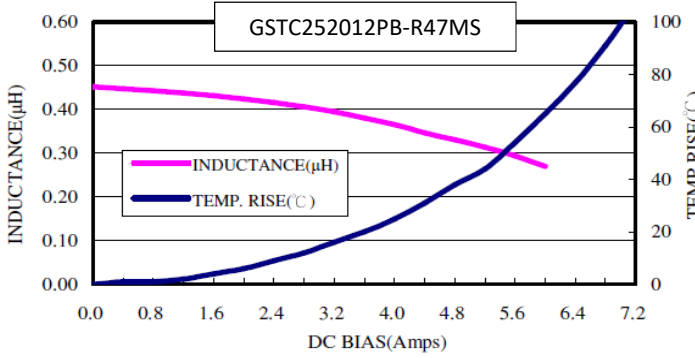
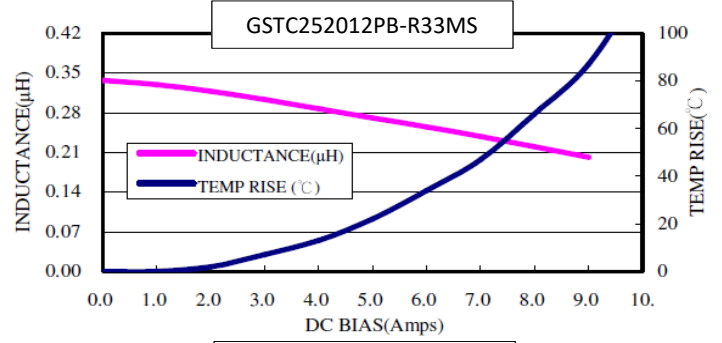
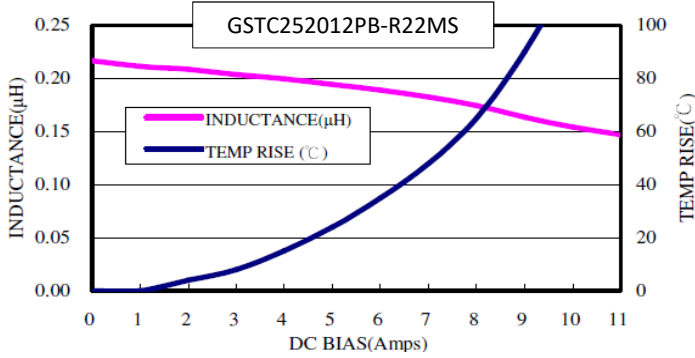
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* Irms: Rated Current Loading when temperature rise approximately 40deg.C

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GSTC252012PB-SERIES

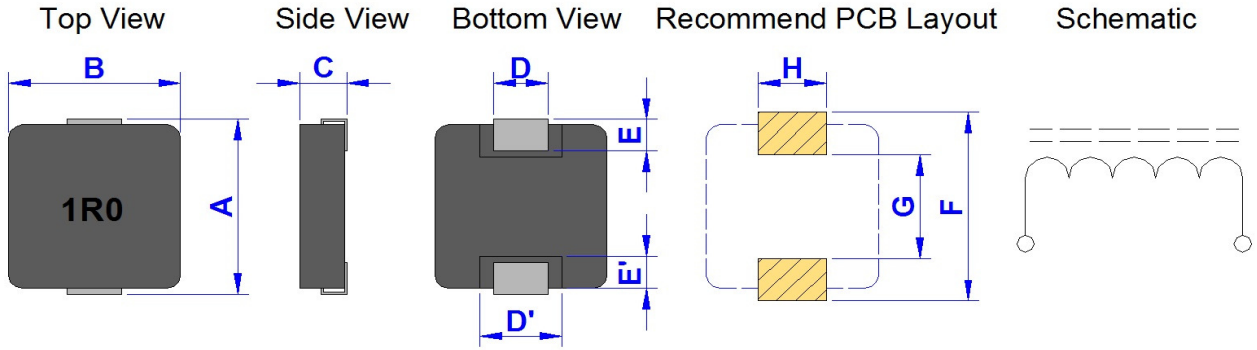
Current Characteristic :



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GSTC042P-SERIES

Dimension [mm] :



Size	A(Max.)	B(Max.)	C(Max.)	D	D'	E	E'	F(Ref.)	G(Ref.)	H(Ref.)
042	4.5	4.3	2.0	1.5+/-0.3	2.2+/-0.2	0.8+/-0.3	1.0+/-0.1	5.2	2.2	2.5

Electrical Characteristics :

Part No.	Inductance L(uH) +/- 20%	DCR (m Ohm) [Typ.] / [Max.]	Isat (Amp) Typ.	Irms (Amp) Typ.
GSTC042P-R10MN	0.10	4.50 / 5.00	30.0	11.0
GSTC042P-R22MN	0.22	7.30 / 8.00	17.0	9.0
GSTC042P-R47MN	0.47	14.00 / 15.50	11.5	6.0
GSTC042P-1R0MN	1.00	32.00 / 36.00	8.5	3.8
GSTC042P-R10MS	0.10	3.50 / 4.00	22.0	12.0
GSTC042P-R22MS	0.22	6.00 / 6.60	12.5	9.0
GSTC042P-R47MS	0.47	12.50 / 14.00	9.5	7.0
GSTC042P-1R0MS	1.00	24.00 / 27.00	7.0	4.5
GSTC042P-1R5MS	1.50	38.00 / 46.00	6.0	4.0
GSTC042P-2R2MS	2.20	52.00 / 58.00	5.0	3.0
GSTC042P-3R3MS	3.30	74.00 / 87.00	4.0	2.5

* Test Condition@100KHz, 1.0Vrms, 25°C Ambient

* Isat: Saturated Current measured at the point of L drop approximately 20% [N TYPE]

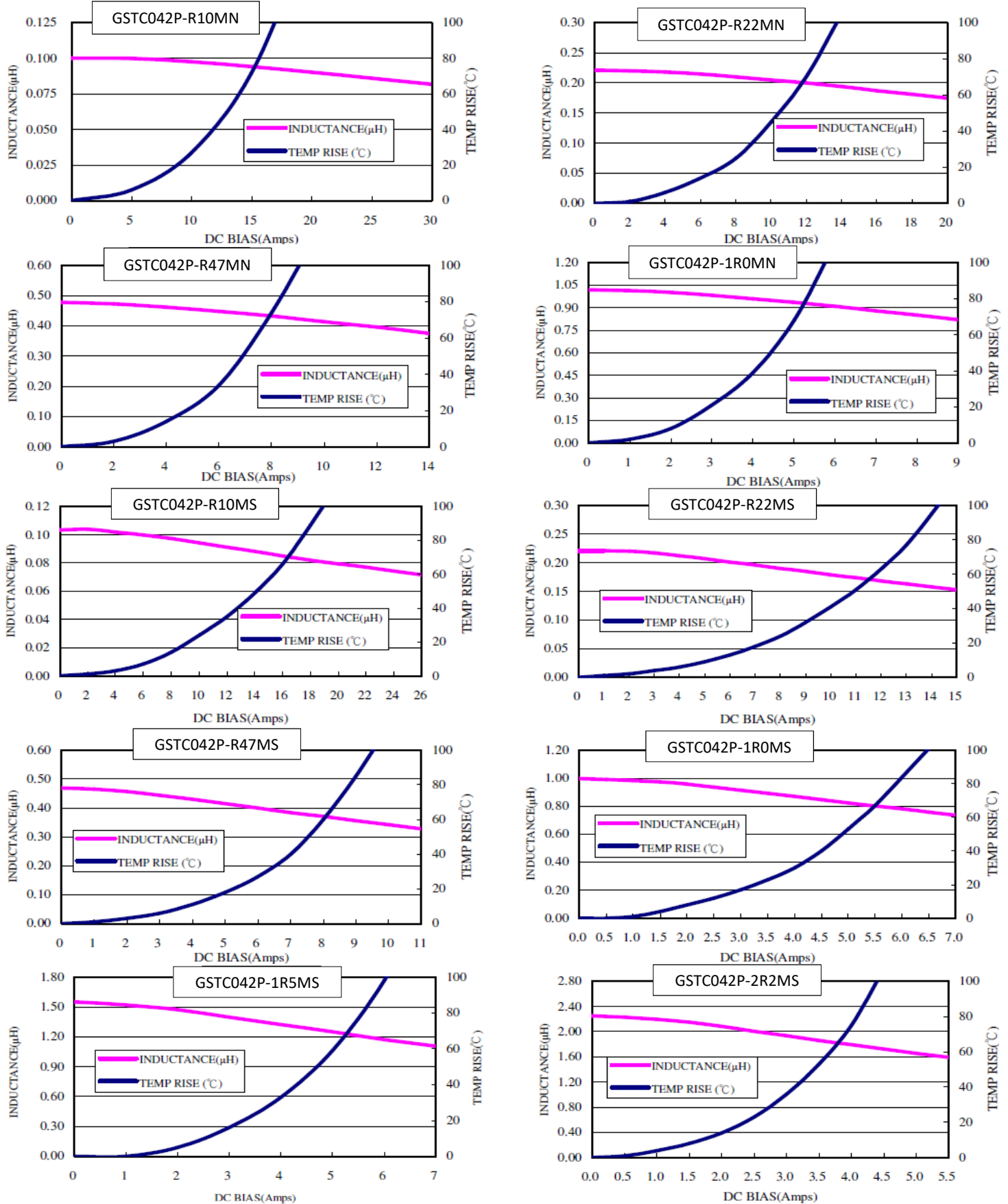
* Isat: Saturated Current measured at the point of L drop approximately 30% [S TYPE]

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GSTC042P-SERIES

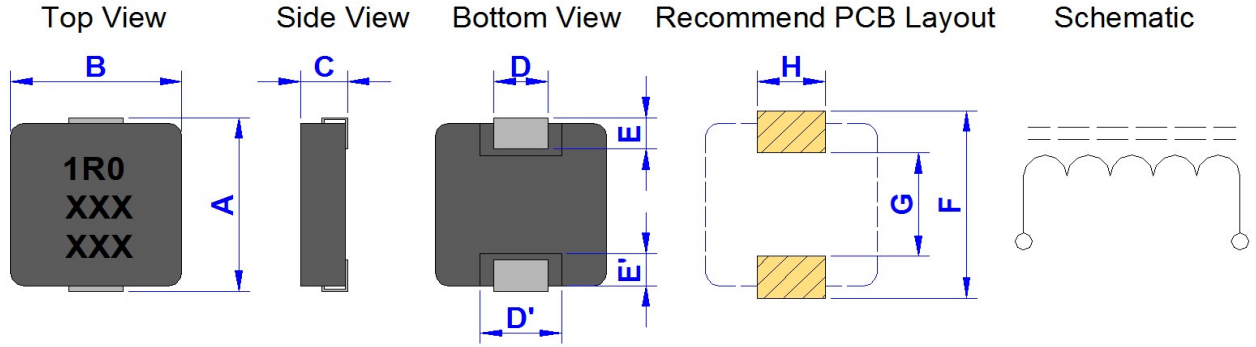
Current Characteristic :



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GSTC053P-SERIES

Dimension [mm] :



Size	A(Max.)	B(Max.)	C(Max.)	D	D'	E	E'	F(Ref.)	G(Ref.)	H(Ref.)
053	5.2	4.9	3.0	1.5+/-0.3	2.2+/-0.2	1.0+/-0.3	1.5+/-0.1	7.0	3.0	2.5

Electrical Characteristics :

Part No.	Inductance L(uH) +/- 20%	DCR (m Ohm) [Typ.] / [Max.]	Isat (Amp) Typ.	Irms (Amp) Typ.
GSTC053P-R68MN	0.68	11.0 / 12.00	14.0	8.5
GSTC053P-1R0MN	1.00	13.0 / 14.00	11.0	7.0
GSTC053P-1R2MN	1.20	15.0 / 16.00	11.0	6.5
GSTC053P-1R5MN	1.50	20.0 / 25.00	10.0	6.0
GSTC053P-2R2MN	2.20	29.0 / 35.00	9.0	5.5
GSTC053P-3R3MN	3.30	32.0 / 38.00	7.0	5.0
GSTC053P-R10MS	0.10	2.00 / 2.50	34.0	32.0
GSTC053P-R12MS	0.12	2.20 / 2.60	32.0	30.0
GSTC053P-R20MS	0.20	3.50 / 3.90	14.5	21.0
GSTC053P-R22MS	0.22	3.50 / 3.90	14.5	21.0
GSTC053P-R35MS	0.35	4.50 / 5.00	9.0	16.5
GSTC053P-R47MS	0.47	7.40 / 8.50	12.0	13.0
GSTC053P-R56MS	0.56	8.20 / 9.50	10.0	11.0
GSTC053P-4R7MS	4.70	50.0 / 60.00	5.0	3.0
GSTC053P-6R8MS	6.80	96.0 / 110.00	3.5	3.0

* Test Condition@100KHz,1.0Vrms, 25°C Ambient

* Isat: Saturated Current measured at the point of L drop approximately 20% [N TYPE]

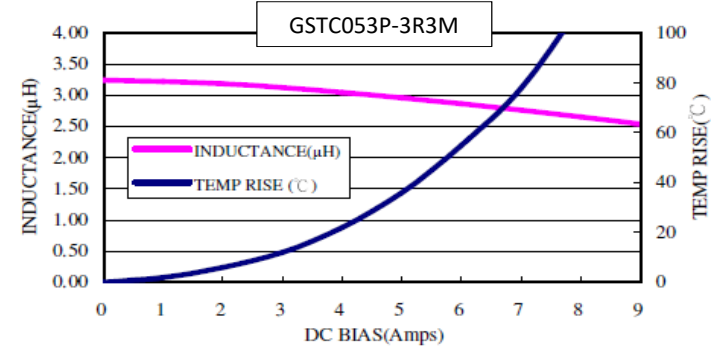
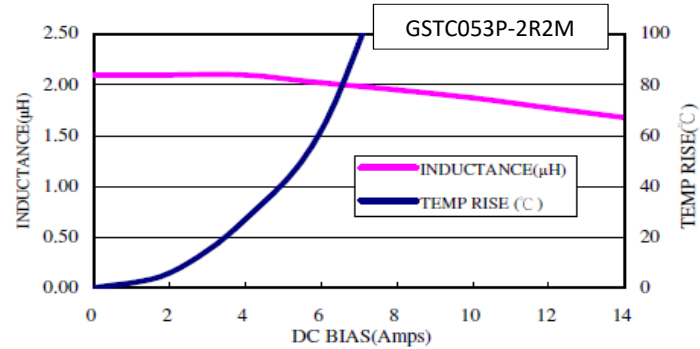
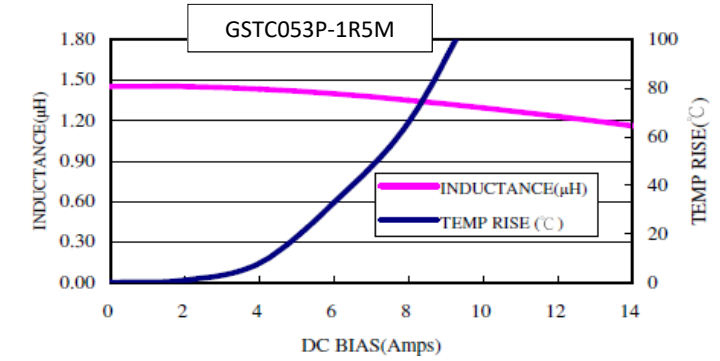
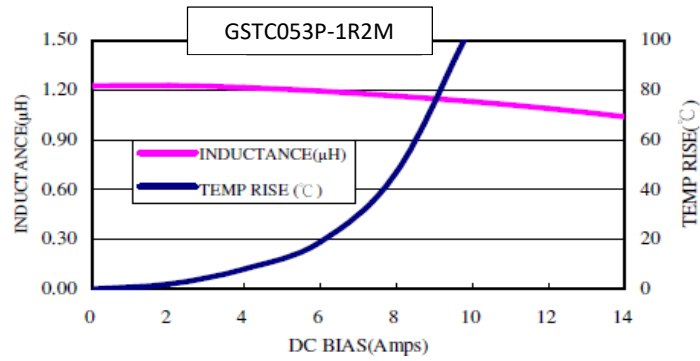
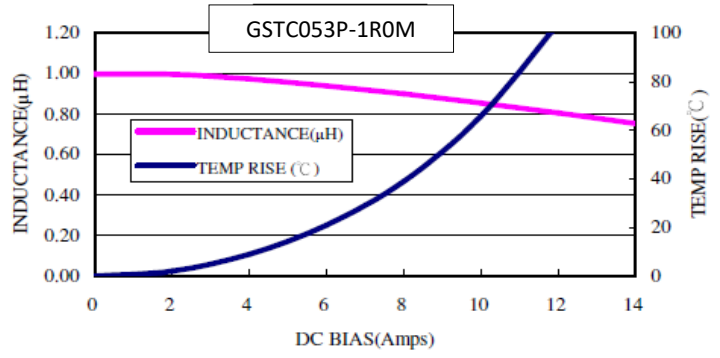
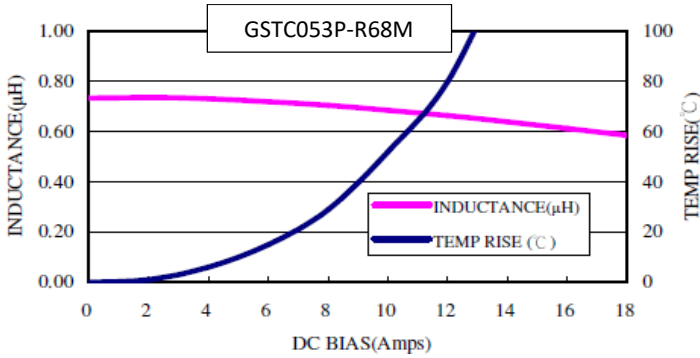
* Isat: Saturated Current measured at the point of L drop approximately 30% [S TYPE]

* Irms: Rated Current Loading when temperature rise approximately 40deg.C

Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC053P-SERIES

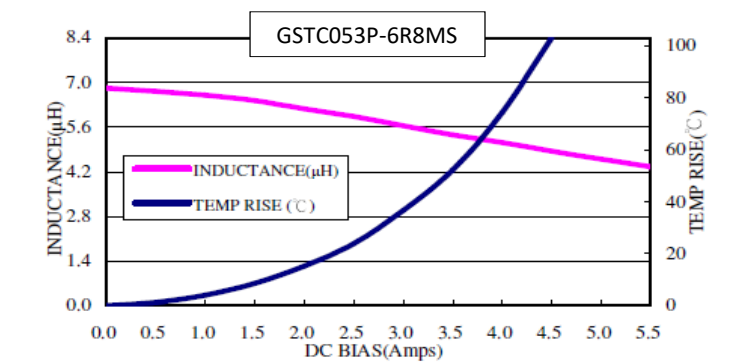
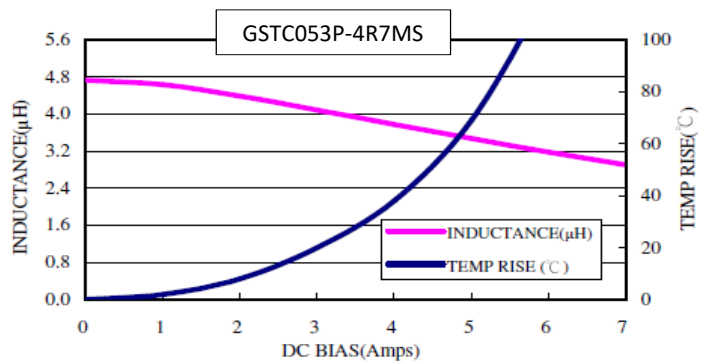
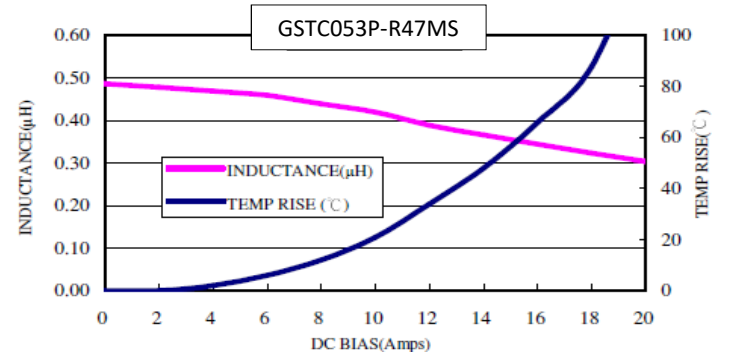
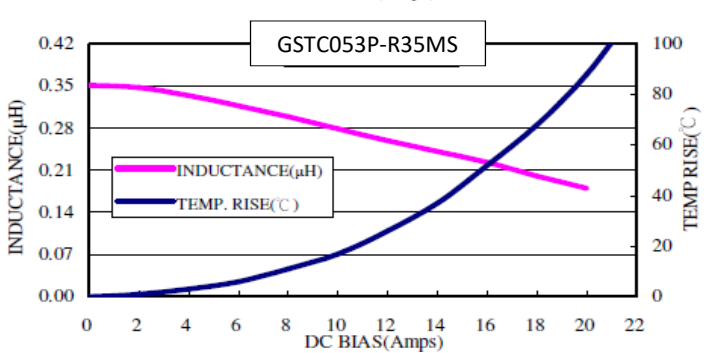
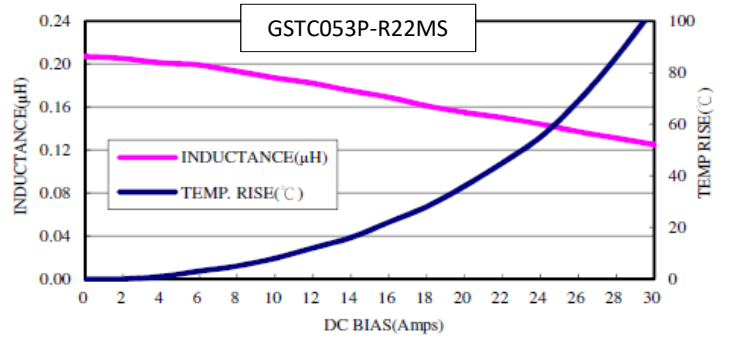
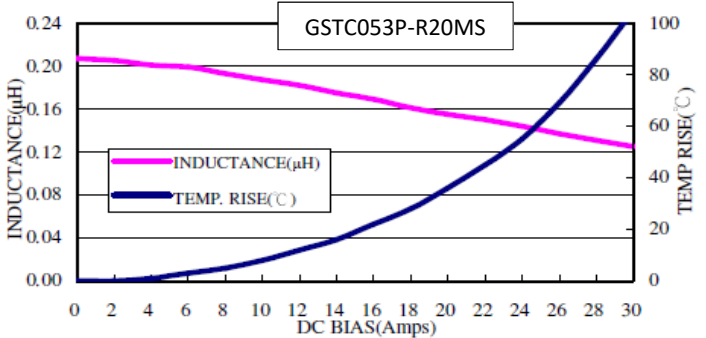
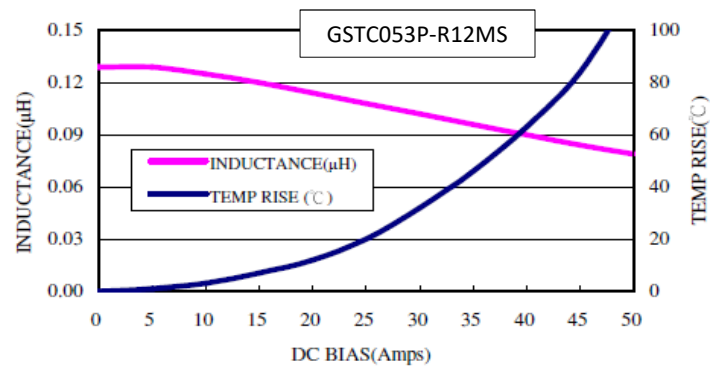
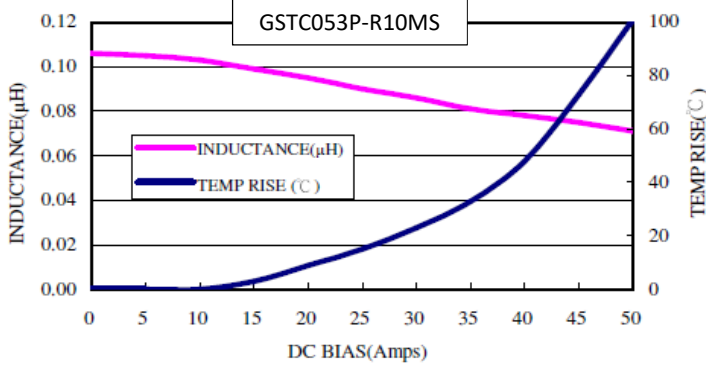
Current Characteristic :



Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC053P-SERIES

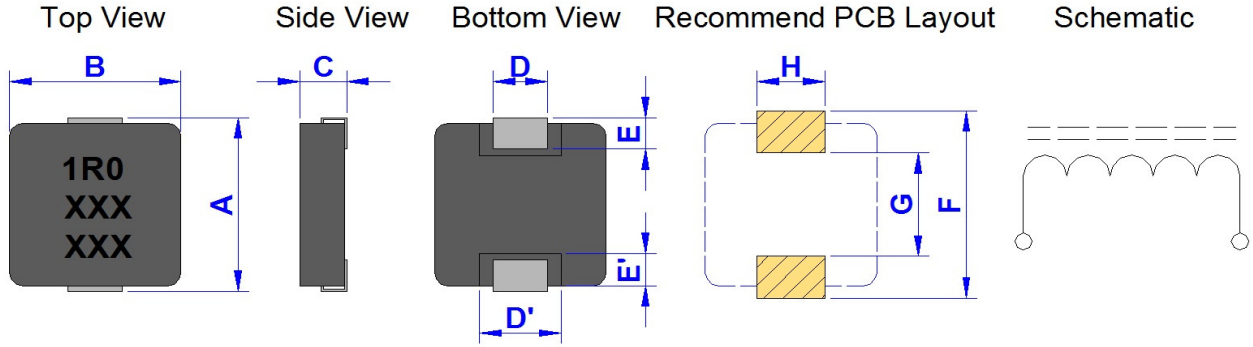
Current Characteristic :



Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC061P-SERIES

Dimension [mm] :



Size	A(Max.)	B(Max.)	C(Max.)	D	D'	E	E'	F(Ref.)	G(Ref.)	H(Ref.)
061	7.4	6.8	1.8	3.0+/-0.3	3.6+/-0.2	1.6+/-0.3	2.0+/-0.1	8.4	3.7	3.5

Electrical Characteristics :

Part No.	Inductance L(uH) +/- 20%	DCR (m Ohm) [Typ.] / [Max.]	Isat (Amp) Typ.	Irms (Amp) Typ.
GSTC061P-R10MS	0.10	2.00 / 2.50	45.0	18.0
GSTC061P-R33MS	0.33	5.20 / 6.80	22.0	12.0
GSTC061P-R47MS	0.47	7.30 / 8.40	18.0	11.0
GSTC061P-R68MS	0.68	10.80 / 12.70	17.0	9.0
GSTC061P-1R0MS	1.00	14.50 / 17.00	14.0	7.0
GSTC061P-2R0MS	2.00	28.00 / 32.00	13.0	6.0
GSTC061P-2R2MS	2.20	31.00 / 35.00	13.0	6.0
GSTC061P-3R3MS	3.30	56.00 / 60.00	10.0	3.5
GSTC061P-4R7MS	4.70	68.00 / 70.00	5.0	3.5

* Test Condition@100KHz,1.0Vrms, 25°C Ambient

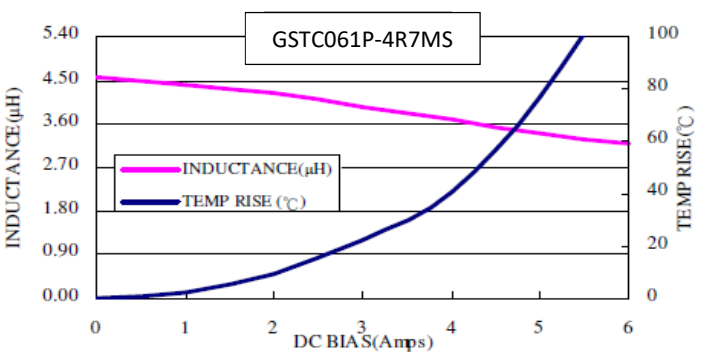
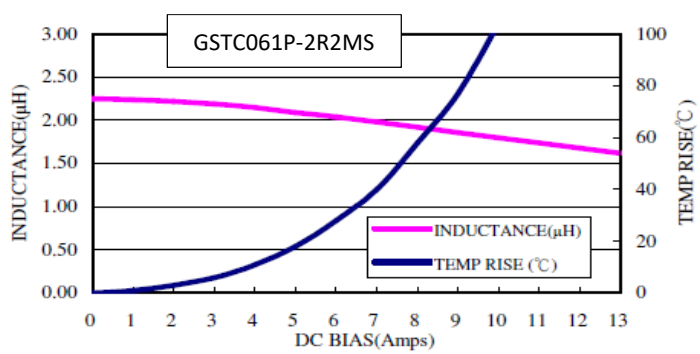
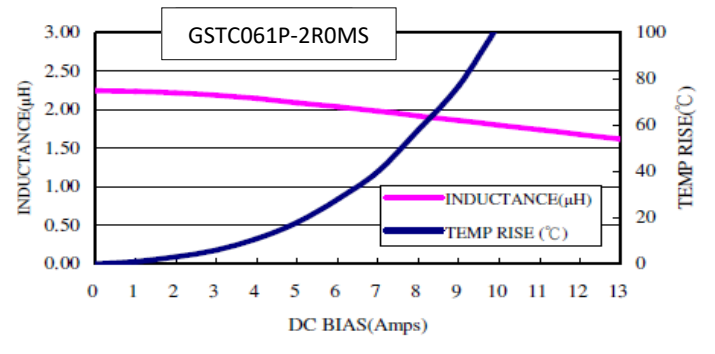
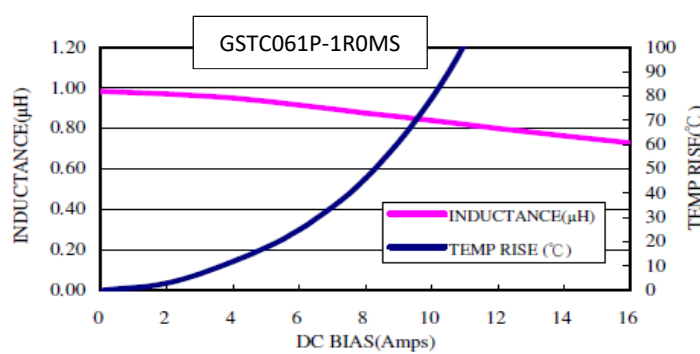
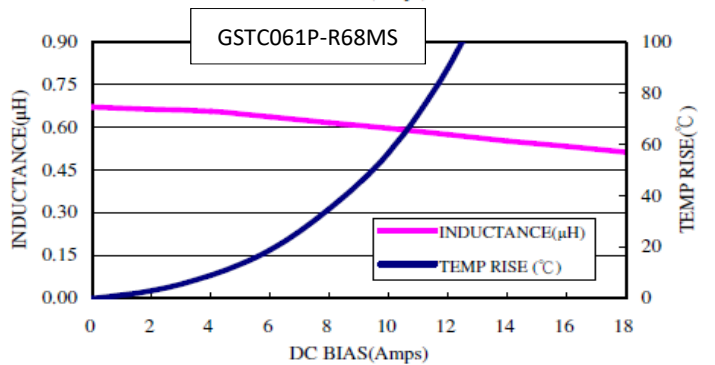
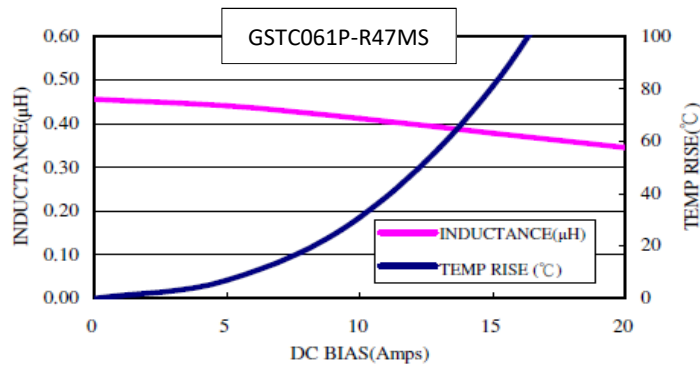
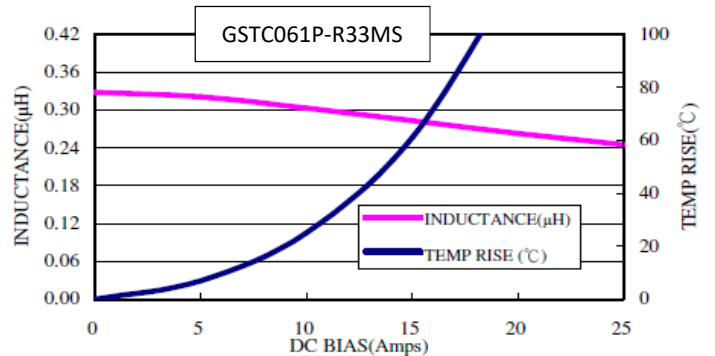
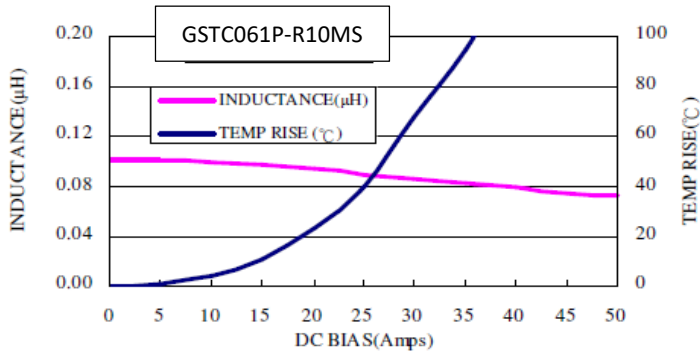
* Isat: Saturated Current measured at the point of L drop approximately 30%

* Irms: Rated Current Loading when temperature rise approximately 40deg.C

Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC061P-SERIES

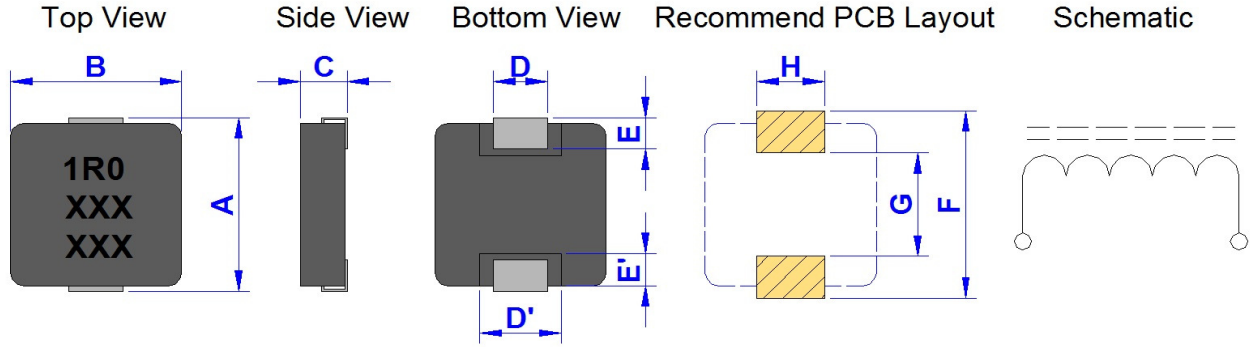
Current Characteristic :



Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC063P-SERIES

Dimension [mm] :



Size	A(Max.)	B(Max.)	C(Max.)	D	D'	E	E'	F(Ref.)	G(Ref.)	H(Ref.)
063	7.3	6.8	3.0	3.0+/-0.3	3.6+/-0.2	1.6+/-0.3	2.0+/-0.1	8.4	3.7	3.5

Electrical Characteristics :

Part No.	Inductance L(uH) +/- 20%	DCR (m Ohm) [Typ.] / [Max.]	Isat (Amp) Typ.	Irms (Amp) Typ.
GSTC063P-1R5MS	1.50	10.80 / 12.00	11.5	9.0
GSTC063P-2R2MS	2.20	18.00 / 20.00	10.0	8.0
GSTC063P-4R7MS	4.70	32.50 / 35.00	6.5	5.5
GSTC063P-8R2MS	8.20	54.00 / 60.00	6.0	4.5
GSTC063P-100MS	10.00	62.00 / 68.00	5.5	4.0
GSTC063P-R10MN	0.10	1.50 / 1.70	60.0	32.5
GSTC063P-R20MN	0.20	2.40 / 3.00	41.0	24.0
GSTC063P-R22MN	0.22	2.50 / 2.80	40.0	23.0
GSTC063P-R25MN	0.25	3.00 / 3.50	39.0	21.0
GSTC063P-R33MN	0.33	3.50 / 3.90	30.0	20.0
GSTC063P-R47MN	0.47	4.00 / 4.20	26.0	17.5
GSTC063P-R56MN	0.56	4.70 / 5.00	25.5	16.5
GSTC063P-R68MN	0.68	5.00 / 5.50	25.0	15.5
GSTC063P-R82MN	0.82	6.70 / 8.00	24.0	13.0
GSTC063P-R90MN	0.90	9.00 / 10.00	22.0	11.0
GSTC063P-1R0MN	1.00	9.00 / 10.00	22.0	11.0
GSTC063P-1R2MN	1.20	10.00 / 12.00	20.0	10.0
GSTC063P-1R5MN	1.50	14.00 / 15.00	18.0	9.0
GSTC063P-2R2MN	2.20	18.00 / 20.00	14.0	8.0
GSTC063P-2R5MN	2.50	20.00 / 22.00	14.0	7.0
GSTC063P-3R3MN	3.30	28.00 / 30.00	13.5	6.0
GSTC063P-4R7MN	4.70	37.00 / 40.00	10.0	5.5
GSTC063P-6R8MN	6.80	54.00 / 60.00	8.0	4.5

* Test Condition@100KHz,1.0Vrms, 25°C Ambient

* Isat: Saturated Current measured at the point of L drop approximately 20% [N TYPE]

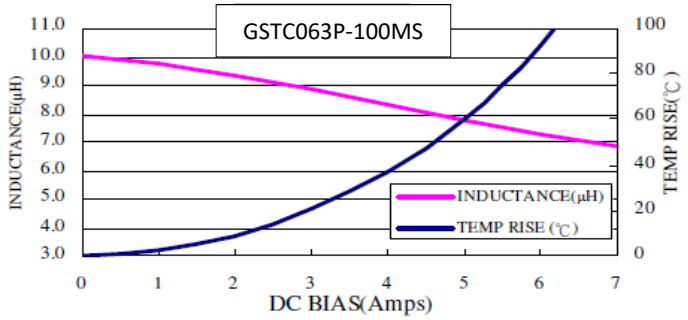
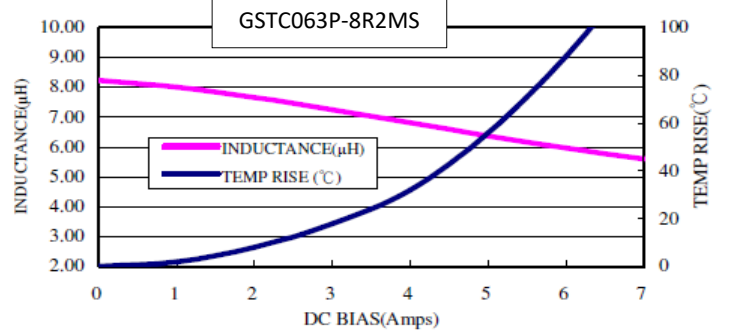
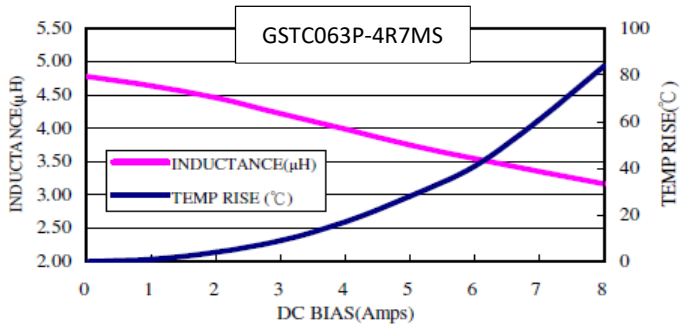
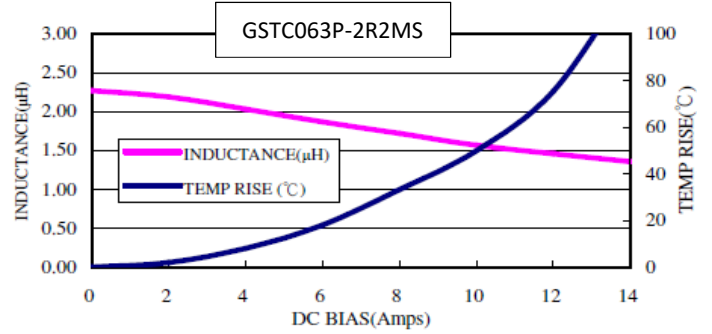
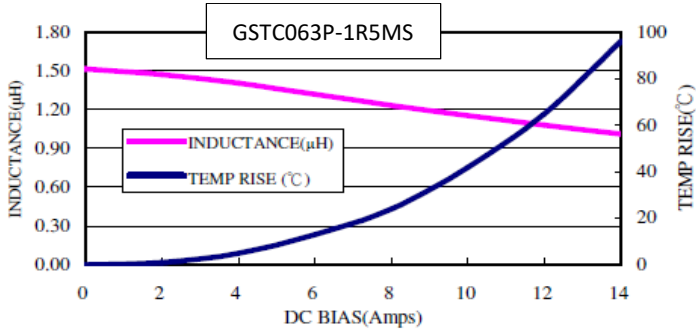
* Isat: Saturated Current measured at the point of L drop approximately 30% [S TYPE]

* I rms: Rated Current Loading when temperature rise approximately 40deg.C

Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC063P-SERIES

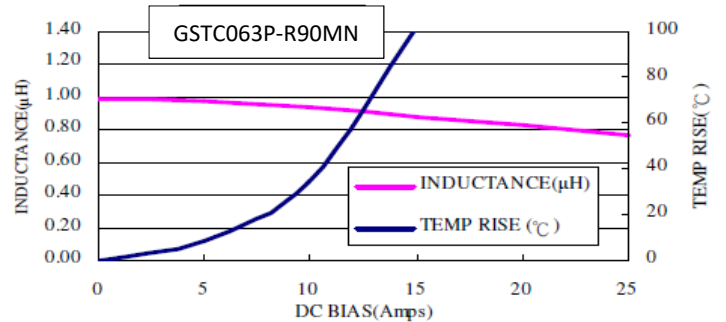
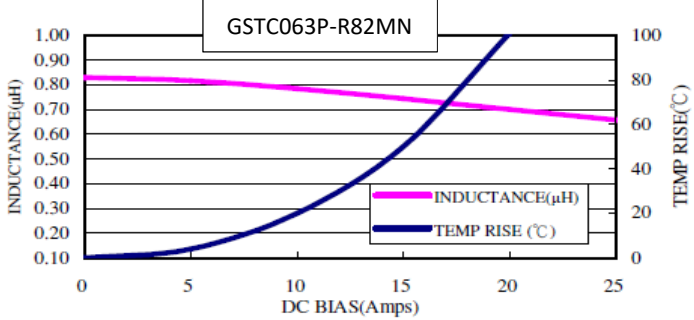
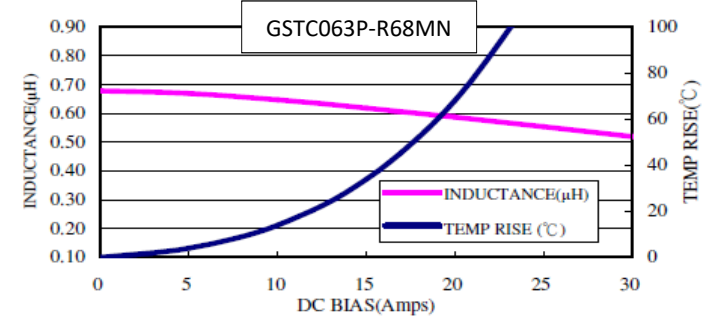
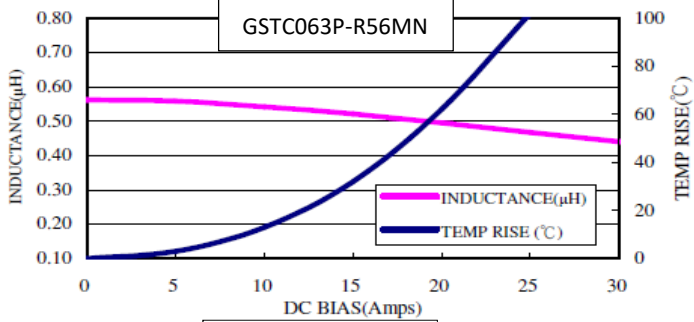
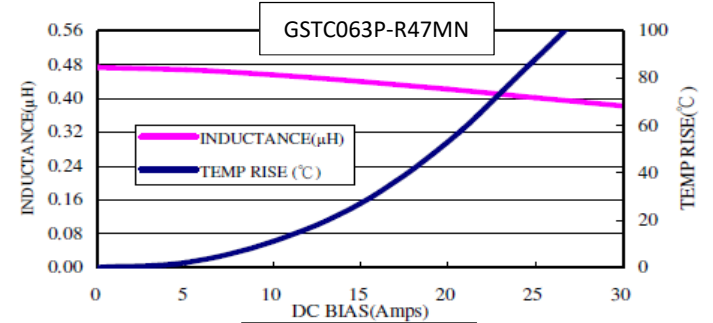
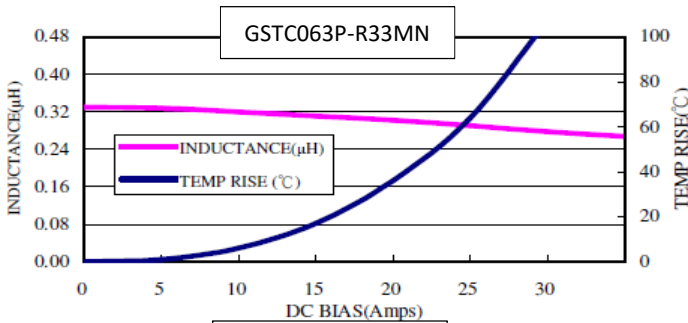
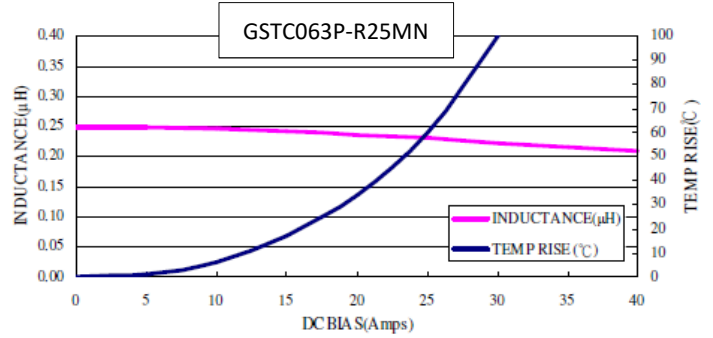
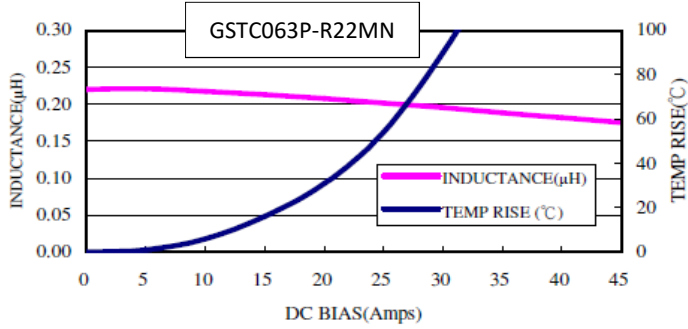
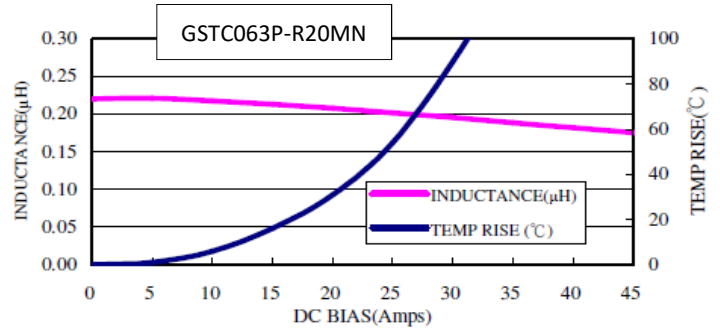
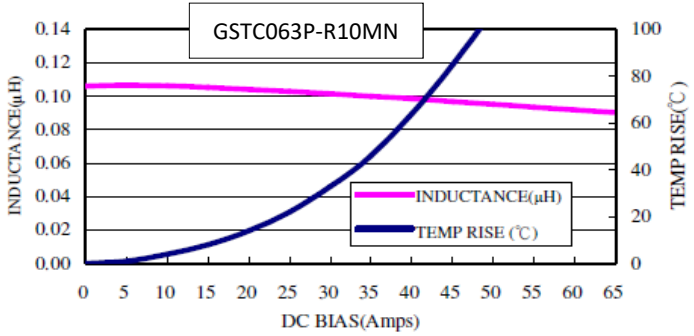
Current Characteristic :



Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC063P-SERIES

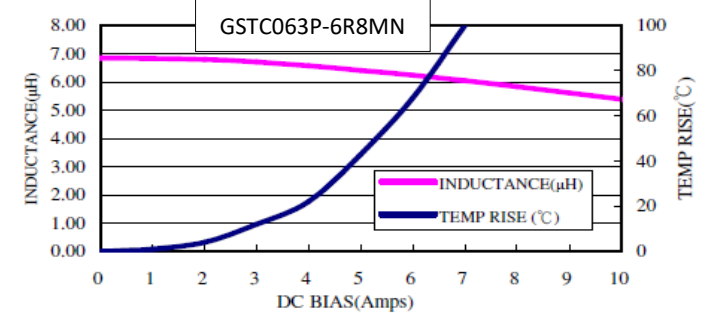
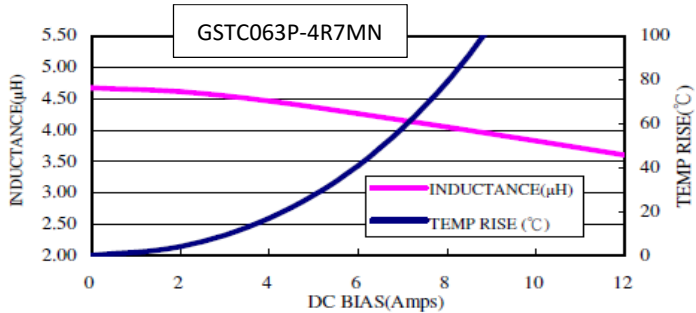
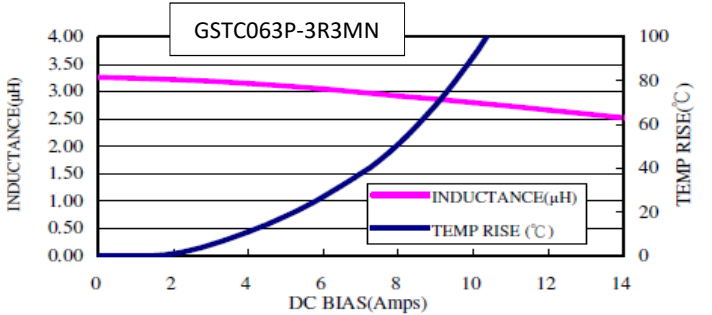
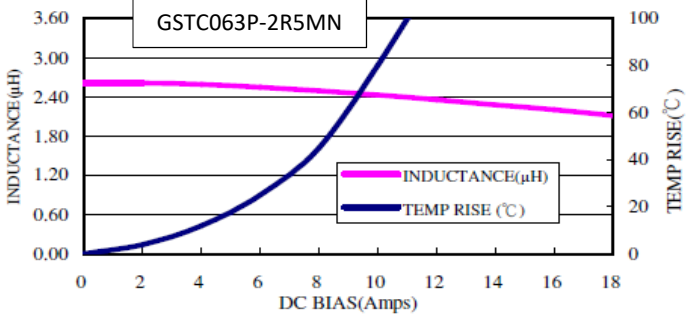
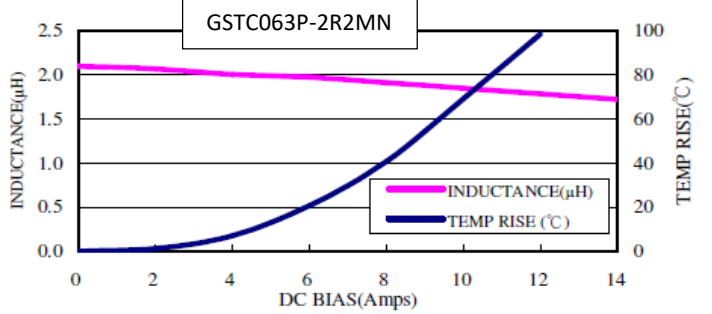
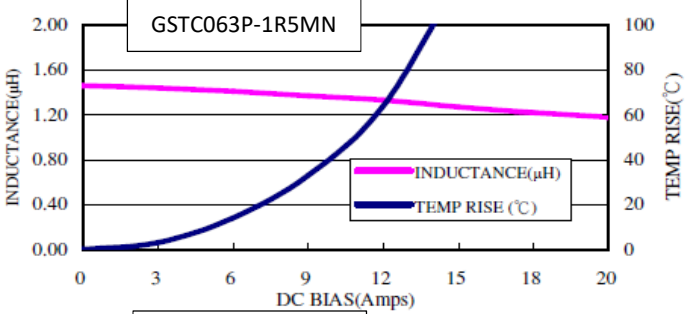
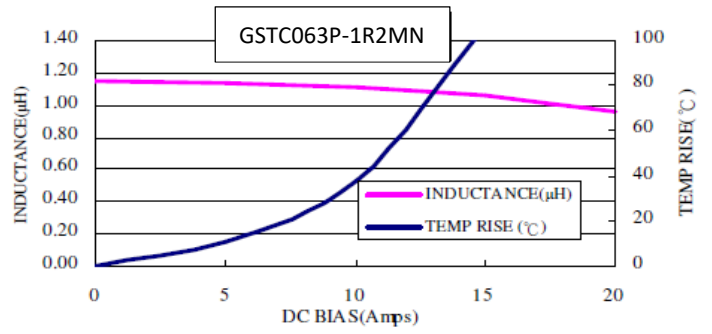
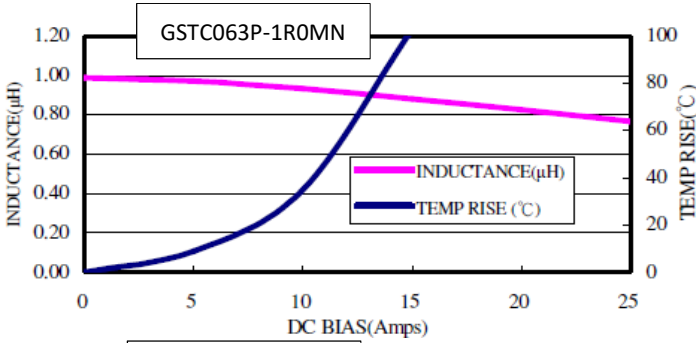
Current Characteristic :



Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC063P-SERIES

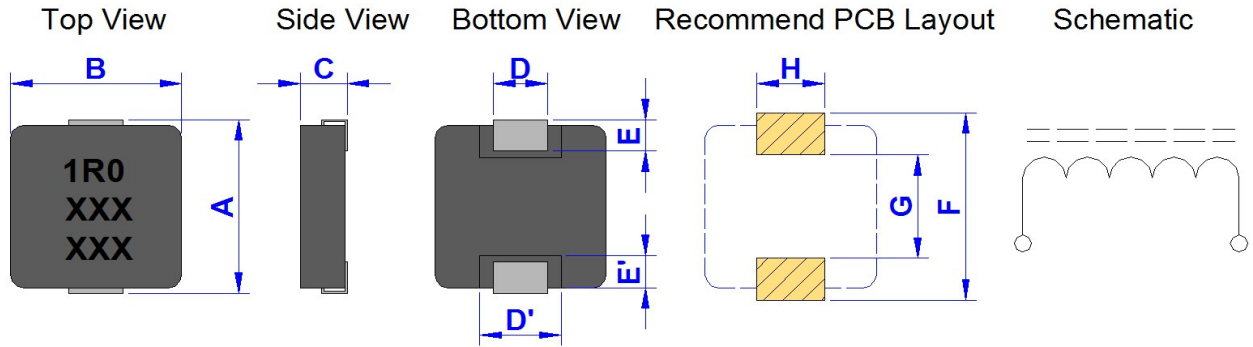
Current Characteristic :



Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC064P-SERIES

Dimension [mm] :



Size	A(Max.)	B(Max.)	C(Max.)	D	D'	E	E'	F(Ref.)	G(Ref.)	H(Ref.)
064	7.6	6.8	4.0	3.0+/-0.3	3.6+/-0.2	1.6+/-0.3	2.0+/-0.1	8.4	3.7	3.5

Electrical Characteristics :

Part No.	Inductance L(uH) +/- 20%	DCR (m Ohm)	Isat (Amp) Typ.	Irms (Amp) Typ.
GSTC064P-R15ME	0.15	0.66+/- 7%	45.0	36.0
GSTC064P-R22ME	0.22	0.98 +/- 5%	35.0	34.0

* Test Condition@100KHz,1.0Vrms, 25 deg.C Ambient

* Isat: Saturated Current measured at the point of L drop approximately 30%

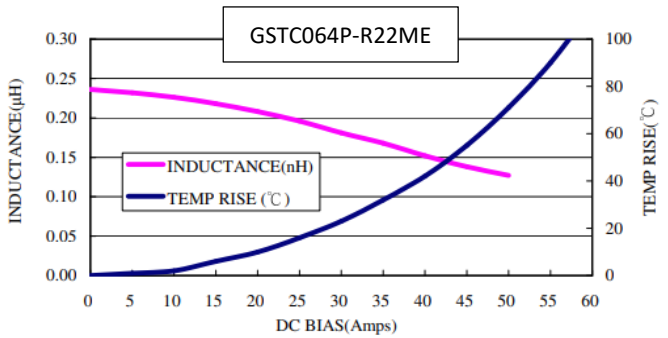
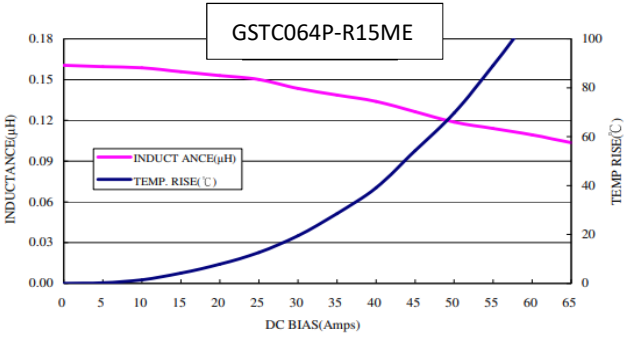
* Irms: Rated Current Loading when temperature rise approximately 40 deg.C

* The parts final operating temperature (Ambient+The parts temperature rise) should not exceed 125 deg.C if under worst case of

Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC064P-SERIES

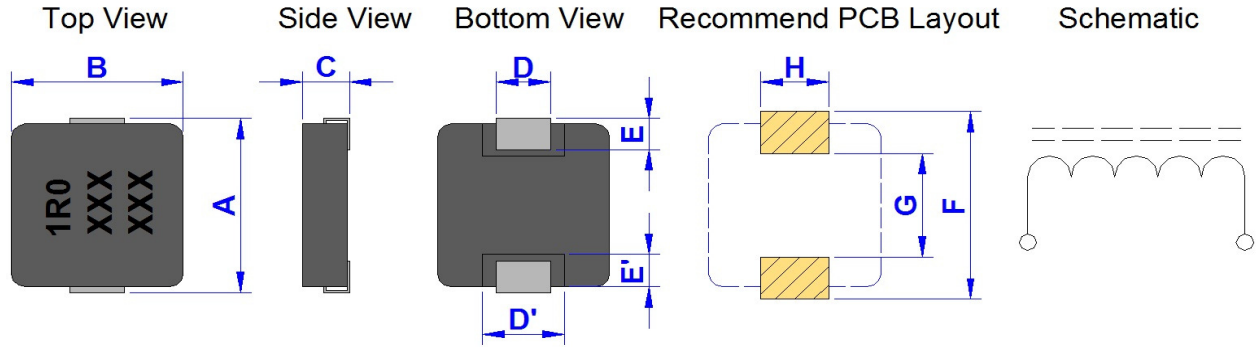
Current Characteristic :



Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC104P-SERIES

Dimension [mm] :



Size	A(Max.)	B(Max.)	C(Max.)	D	D'	E	E'	F(Ref.)	G(Ref.)	H(Ref.)
104	11.5	10.3	4.0	3.0+/-0.5	5.0+/-0.2	2.0+/-0.5	2.5+/-0.1	13.6	5.4	4.1

Electrical Characteristics :

Part No.	Inductance L(uH) +/- 20%	DCR (m Ohm) [Typ.] / [Max.]	Isat (Amp) Typ.	Irms (Amp) Typ.
GSTC104P-R15MN	0.15	0.50 / 0.65	75.0	40.0
GSTC104P-R19MN	0.19	0.70 / 0.80	60.0	38.0
GSTC104P-R22MN	0.22	0.90 / 1.00	60.0	35.0
GSTC104P-R36MN	0.36	1.05 / 1.20	60.0	30.0
GSTC104P-R39MN	0.39	1.10 / 1.30	60.0	30.0
GSTC104P-R41MN	0.41	1.10 / 1.30	60.0	30.0
GSTC104P-R45MN	0.45	1.10 / 1.30	45.0	29.0
GSTC104P-R47MN	0.47	1.60 / 1.80	40.0	26.0
GSTC104P-R56MN	0.56	1.60 / 1.80	33.0	25.0
GSTC104P-R68MN	0.68	2.40 / 2.70	39.0	22.0
GSTC104P-R88MN	0.88	2.70 / 3.00	38.0	20.0
GSTC104P-1R0MN	1.00	3.00 / 3.30	36.0	18.0
GSTC104P-1R5MN	1.50	3.80 / 4.20	33.0	16.0
GSTC104P-2R2MN	2.20	6.70 / 7.00	27.0	12.0
GSTC104P-4R7MN	4.70	15.00 / 16.50	17.0	9.5
GSTC104P-3R3MS	3.30	10.80 / 11.80	16.0	10.0

* Test Condition@100KHz,1.0Vrms, 25°C Ambient

* Isat: Saturated Current measured at the point of L drop approximately 20% [N TYPE]

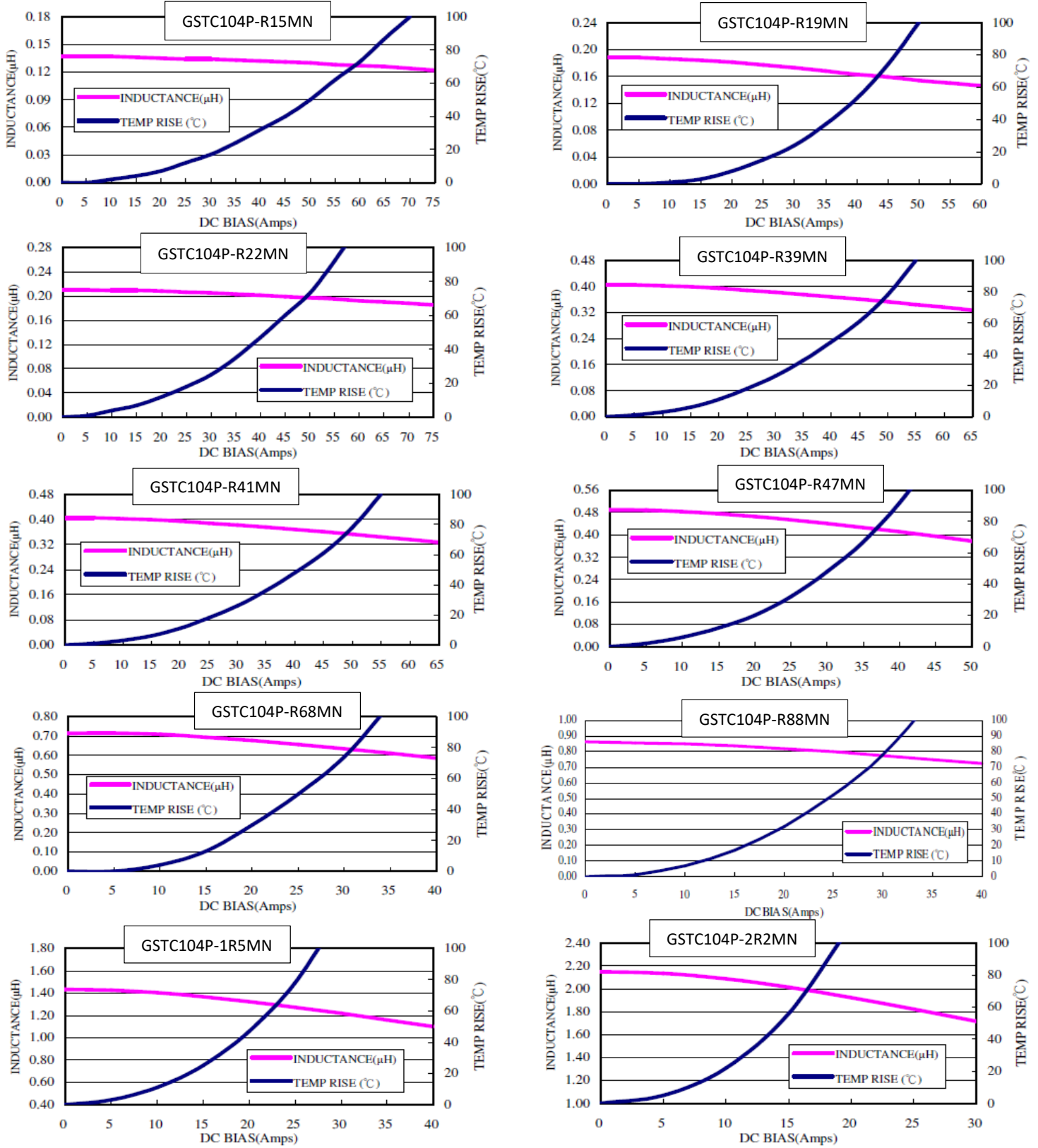
* Isat: Saturated Current measured at the point of L drop approximately 30% [S TYPE]

* Irms: Rated Current Loading when temperature rise approximately 40deg.C

Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC104P-SERIES

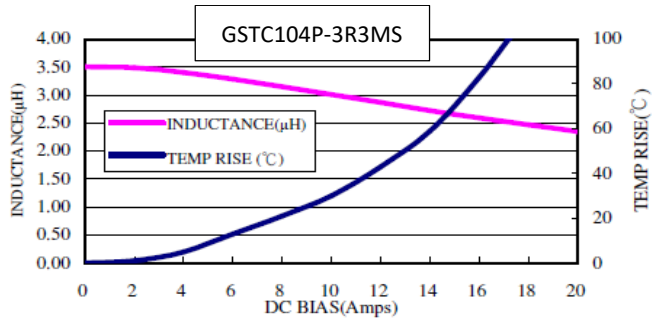
Current Characteristic :



Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC104P-SERIES

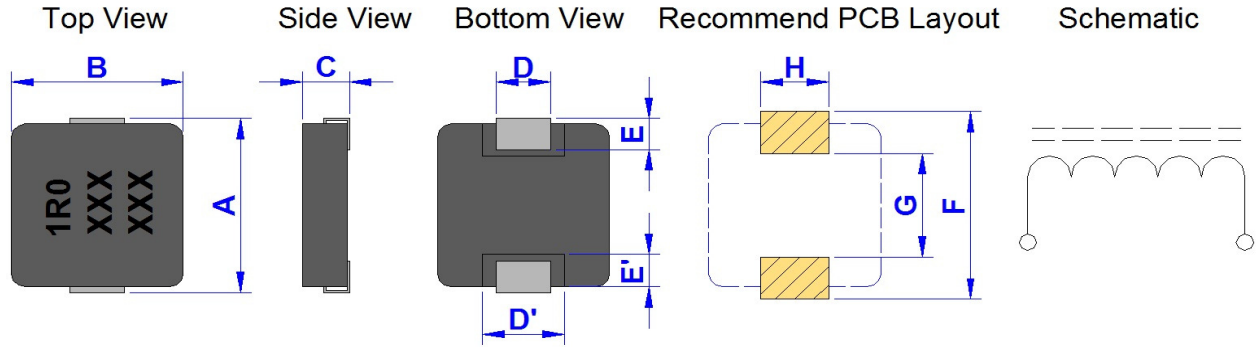
Current Characteristic :



Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC133P-SERIES

Dimension [mm] :



Size	A(Max.)	B(Max.)	C(Max.)	D	D'	E	E'	F(Ref.)	G(Ref.)	H(Ref.)
133	13.8	12.8	3.5	BY ITEM	6.0+/-0.2	2.0+/-0.5	2.5+/-0.1	14.5	8.5	5.0

* D Dimension : L < 1R0 : 4.0 mm +/-0.5 ; L >= 1R0 : 3.0 mm +/-0.5

Electrical Characteristics :

Part No.	Inductance L(uH) +/- 20%	DCR (m Ohm) [Typ.] / [Max.]	Isat (Amp) Typ.	Irms (Amp) Typ.
GSTC133P-R22MF	0.22	1.10 / 1.30	65.0	38.0
GSTC133P-R33MF	0.33	1.30 / 1.50	62.0	36.5
GSTC133P-R39MF	0.39	1.10 / 1.30	65.0	38.0
GSTC133P-R47MF	0.47	1.70 / 2.00	55.0	32.0
GSTC133P-R56MF	0.56	1.80 / 2.20	51.0	29.0
GSTC133P-R62MF	0.62	1.80 / 2.20	51.0	29.0
GSTC133P-R68MF	0.68	2.30 / 2.50	49.0	28.0
GSTC133P-1R0MF	1.00	3.30 / 3.50	40.0	24.0
GSTC133P-1R5MF	1.50	5.10 / 5.50	35.0	19.0
GSTC133P-2R2MF	2.20	7.20 / 8.00	29.0	16.0
GSTC133P-3R3MF	3.30	10.00 / 12.00	27.0	12.0
GSTC133P-4R7MF	4.70	16.00 / 18.00	22.0	9.0

* Test Condition@100KHz,1.0Vrms, 25°C Ambient

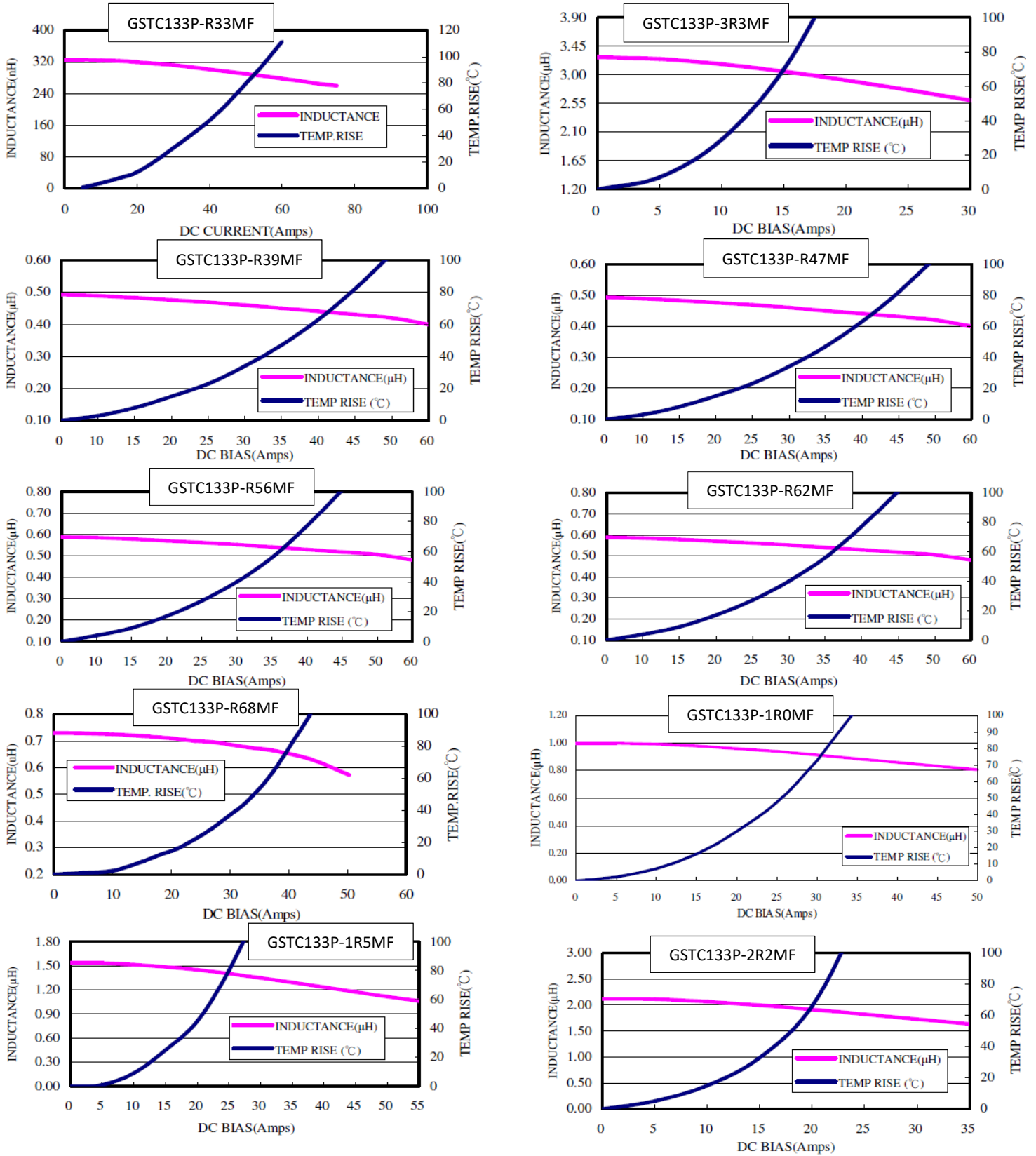
* Isat: Saturated Current measured at the point of L drop approximately 20%

* Irms: Rated Current Loading when temperature rise approximately 40deg.C

Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC133P-SERIES

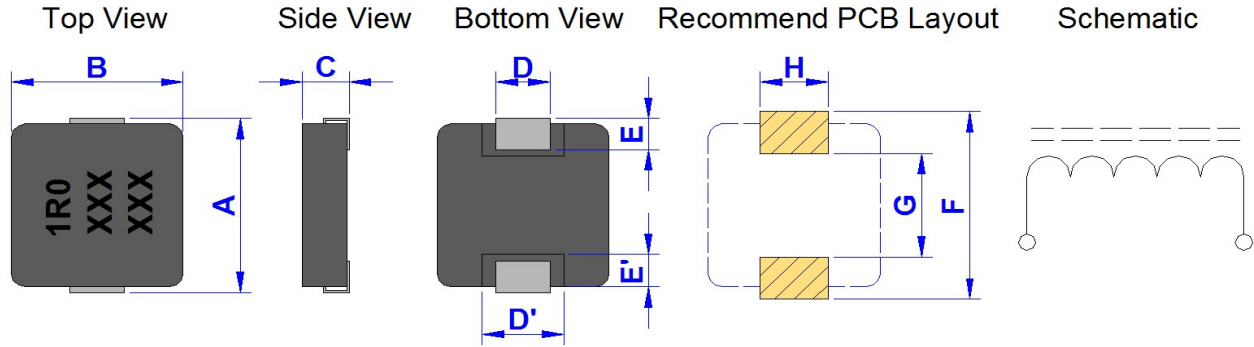
Current Characteristic :



Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC135P-SERIES

Dimension [mm] :



Size	A(Max.)	B(Max.)	C(Max.)	D	D'	E	E'	F(Ref.)	G(Ref.)	H(Ref.)
135	14.0	12.8	5.2	BY ITEM	6.0+/-0.2	2.0+/-0.5	2.5+/-0.1	14.5	8.0	5.0

* D Dimension : L < 2R2 : 4.0 mm +/-0.5 ; L >= 2R2 : 3.0 mm +/-0.5

Electrical Characteristics :

Part No.	Inductance L(uH) +/- 20%	DCR (m Ohm) [Typ.] / [Max.]	Isat (Amp) Typ.	Irms (Amp) Typ.
GSTC135P-R15MF	0.15	0.55 / 0.70	110.0	45.0
GSTC135P-R36MF	0.36	0.77 / 1.10	75.0	41.0
GSTC135P-R47MF	0.47	1.10 / 1.30	65.0	38.0
GSTC135P-R50MF	0.50	1.20 / 1.50	55.0	36.0
GSTC135P-R56MF	0.56	1.20 / 1.50	55.0	36.0
GSTC135P-R62MF	0.62	1.50 / 1.70	54.0	34.0
GSTC135P-R68MF	0.68	1.50 / 1.70	54.0	34.0
GSTC135P-R82MF	0.82	1.80 / 2.10	53.0	31.0
GSTC135P-1R0MF	1.00	2.10 / 2.50	50.0	29.0
GSTC135P-1R2MF	1.20	2.60 / 3.00	49.0	25.0
GSTC135P-1R5MF	1.50	3.40 / 4.10	48.0	23.0
GSTC135P-2R2MF	2.20	4.60 / 5.50	32.0	20.0
GSTC135P-3R3MF	3.30	7.70 / 9.20	32.0	15.0
GSTC135P-4R7MF	4.70	12.80 / 15.00	27.0	12.0
GSTC135P-6R3MF	6.30	15.40 / 18.50	21.0	11.0
GSTC135P-6R8MF	6.80	15.40 / 18.50	21.0	11.0

* Test Condition@100KHz, 1.0Vrms, 25°C Ambient

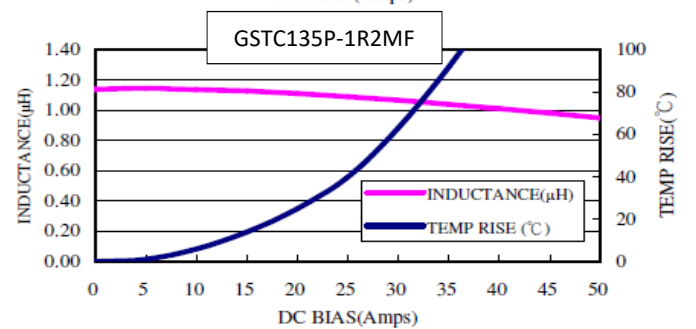
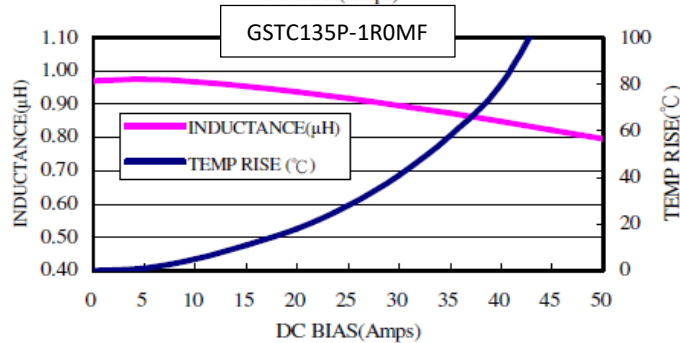
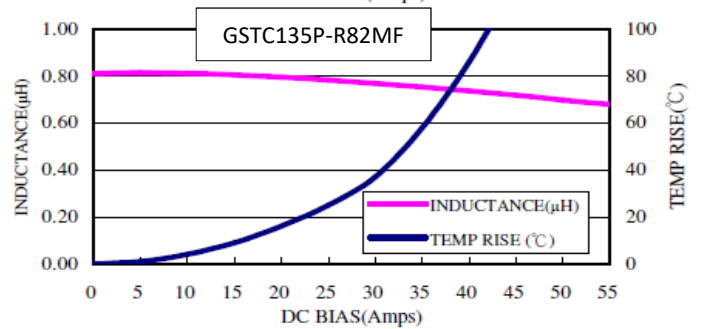
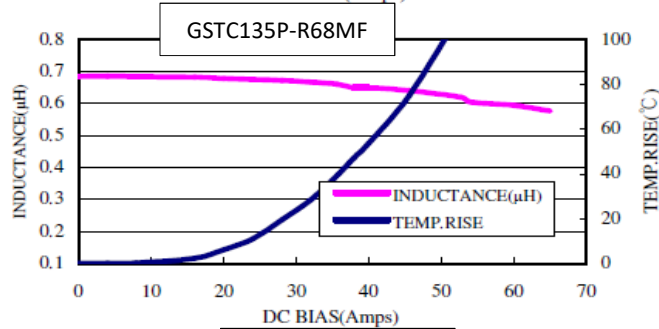
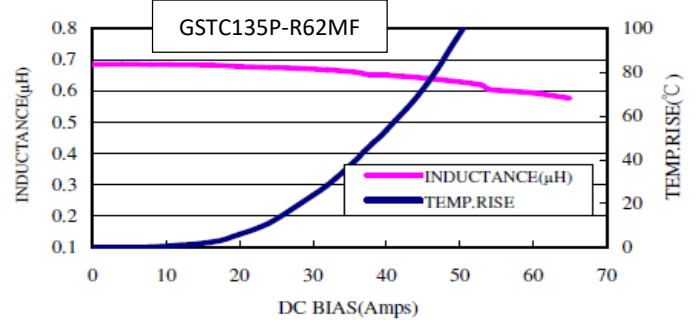
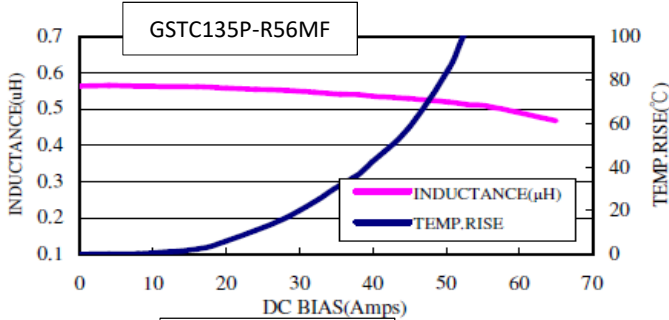
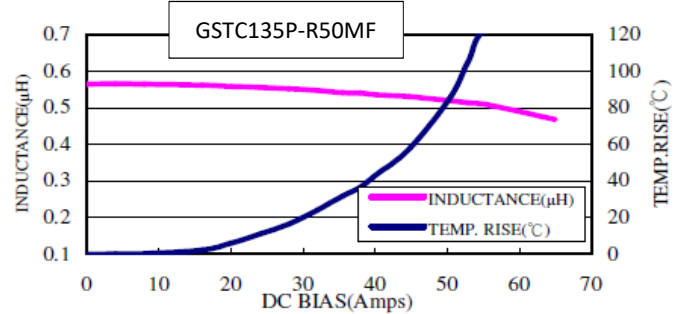
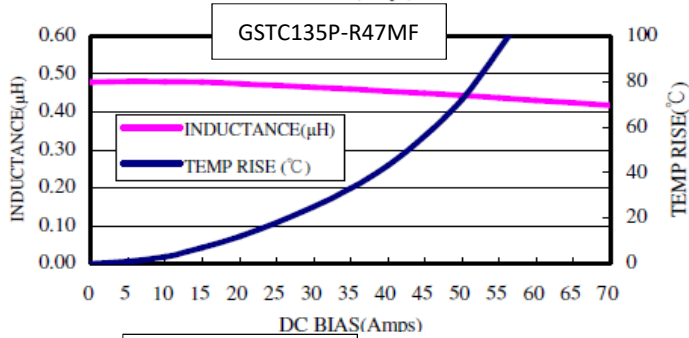
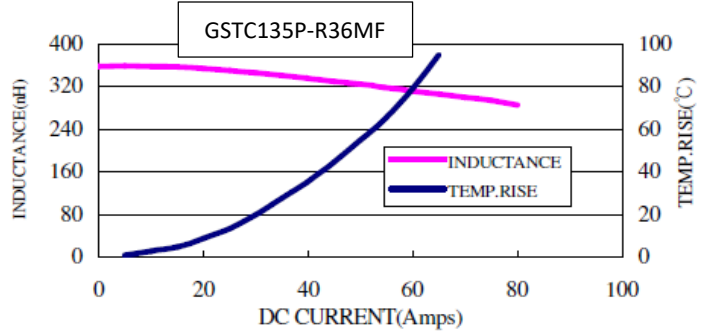
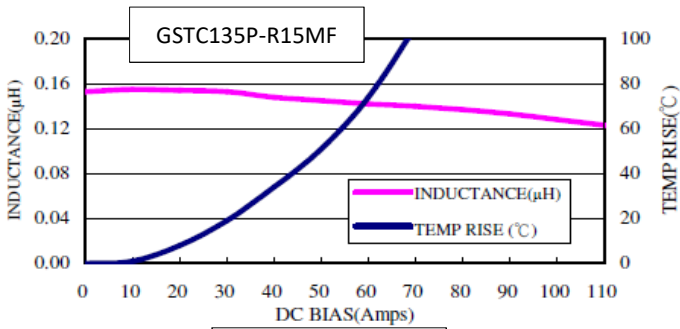
* Isat: Saturated Current measured at the point of L drop approximately 20%

* Irms: Rated Current Loading when temperature rise approximately 40deg.C

Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC135P-SERIES

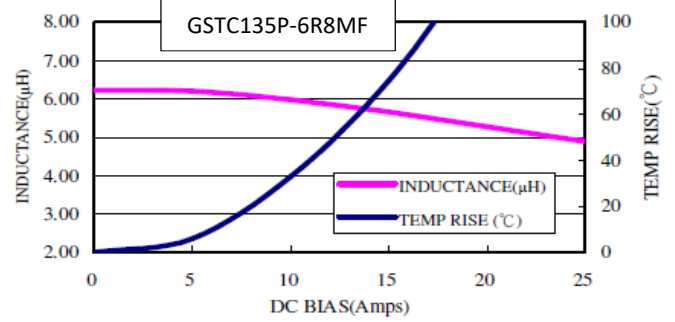
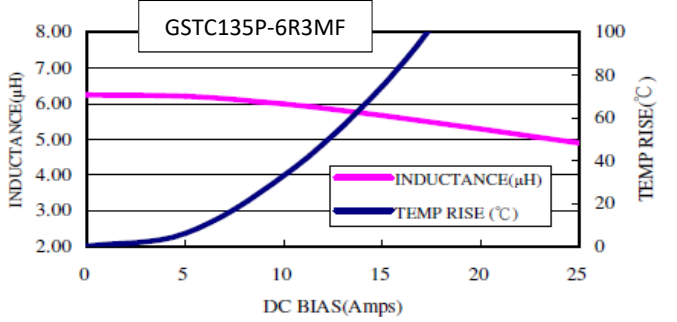
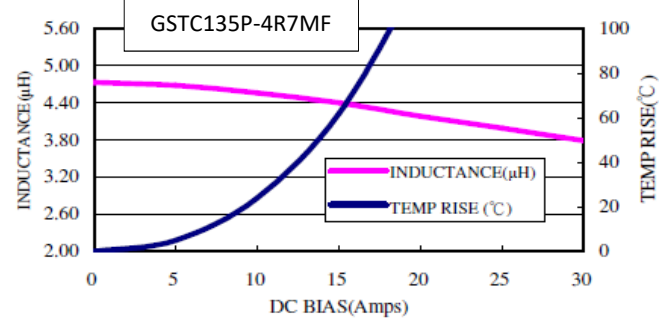
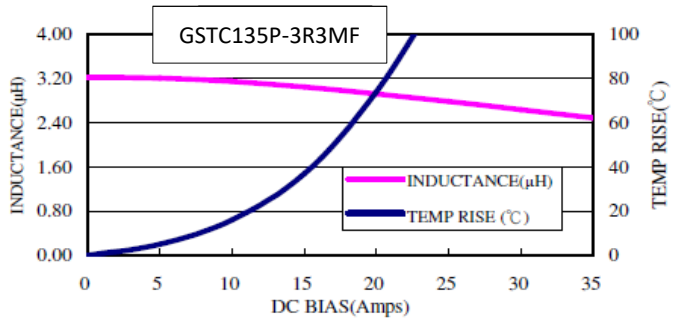
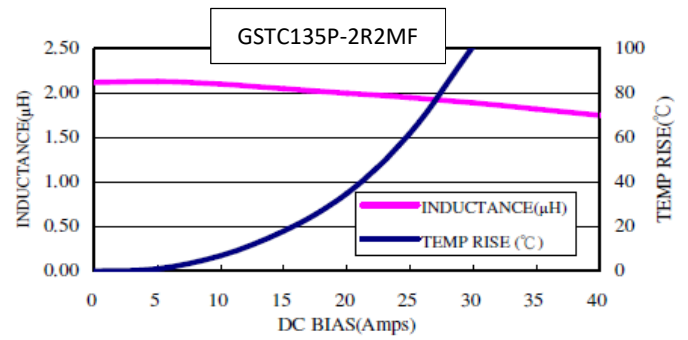
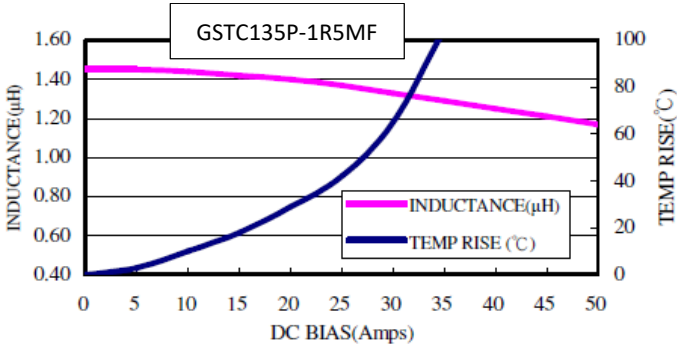
Current Characteristic :



Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC135P-SERIES

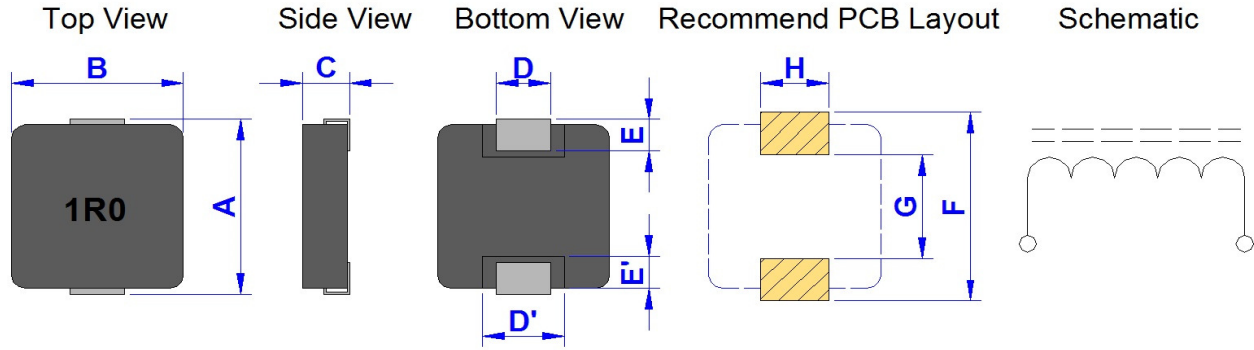
Current Characteristic :



Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC4020PT-SERIES

Dimension [mm] :



Size	A(±0.35)	B(±0.25)	C(±0.20)	D	D'	E	E'	F(Ref.)	G(Ref.)	H(Ref.)
4020PT	4.4	4.2	1.8	2.0+/-0.3	2.5+/-0.2	0.8+/-0.3	1.0+/-0.1	5.2	2.2	2.5

Electrical Characteristics :

Part No.	Inductance L(uH) +/- 20%	DCR (m Ohm) [Typ.] / [Max.]	Idc(Amp) [Typ.] / [Max.]	Isat (Amp) [Typ.] / [Max.]
GSTC4020PT-R10M	0.10	3.30 / 3.80	12.30 / 11.00	23.00 / 20.00
GSTC4020PT-R22M	0.22	6.00/6.60	9.00/8.00	15.00/13.00
GSTC4020PT-R33M	0.33	8.50/10.00	8.00/7.00	12.00/10.00
GSTC4020PT-R47M	0.47	12.50/14.00	7.00/6.00	11.00/9.50
GSTC4020PT-R68M	0.68	15.90/18.00	6.00/5.40	9.20/7.50
GSTC4020PT-1R0M	1.00	23.00/27.00	4.50/4.00	7.50/6.00
GSTC4020PT-1R5M	1.50	37.00/46.00	4.10/3.70	6.20/5.40
GSTC4020PT-2R2M	2.20	51.00/58.00	3.50/3.20	5.20/4.40
GSTC4020PT-3R3M	3.30	74.00/87.00	3.00/2.70	4.50/3.90
GSTC4020PT-4R7M	4.70	91.00/105.00	2.80/2.40	4.10/3.20

* Test Condition@100KHz,1.0Vrms, 25°C Ambient

* Idc : DC current (A) that will cause an approximate ΔT of 40°C

* Isat : DC current (A) that will cause L0 to drop approximately 30%

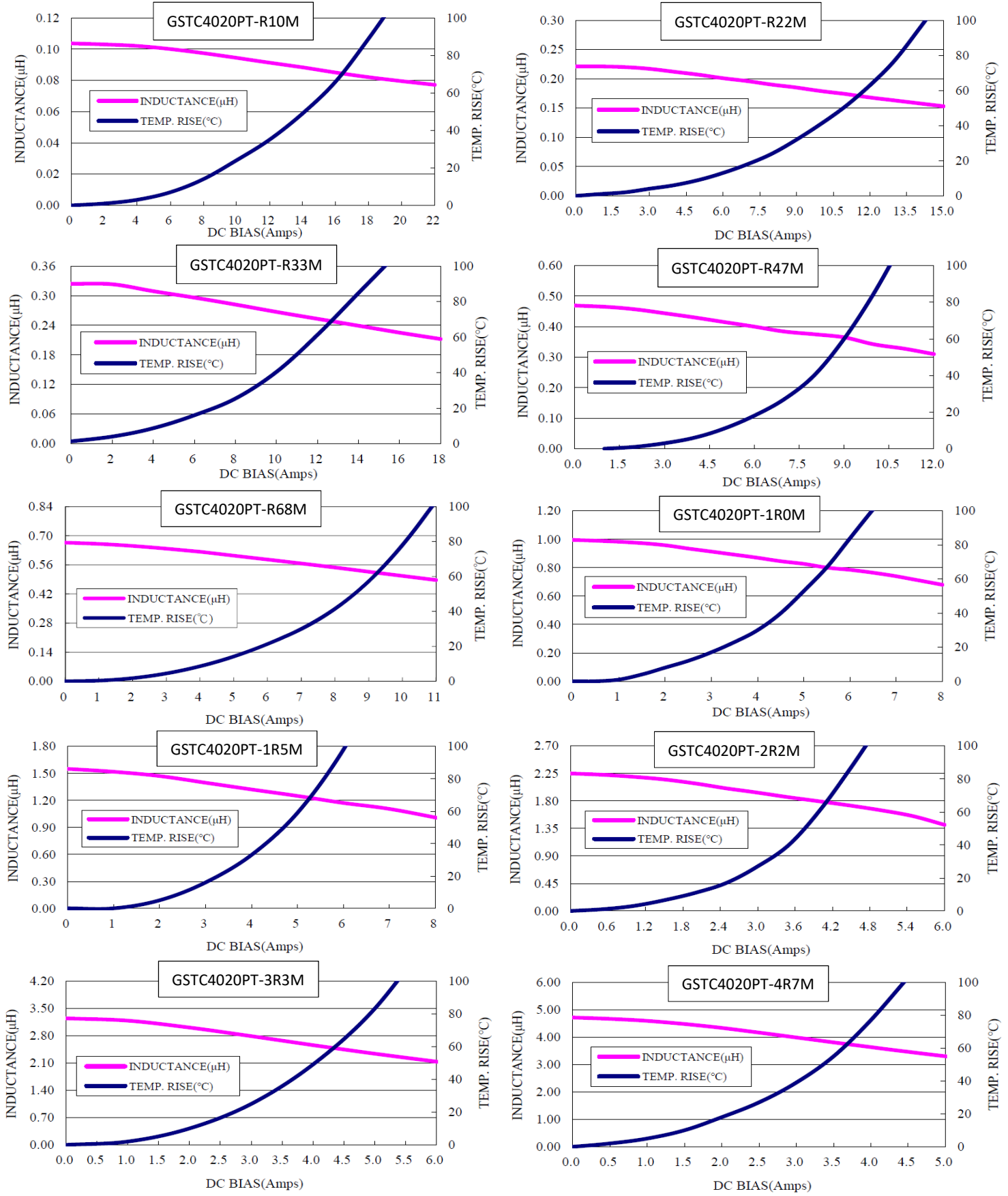
* Operating Temperature Range -55°C to +125°C

Product Series :	GSTC
File Version :	GSTC-SERIES-V7R2
Established Date :	2009.09.01
Latest Edit Date :	2023.04.20

Brand :	GOTREND
Editor :	Qiuyi Wu
Description :	High Current Inductor
Product Type :	<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC4020PT-SERIES

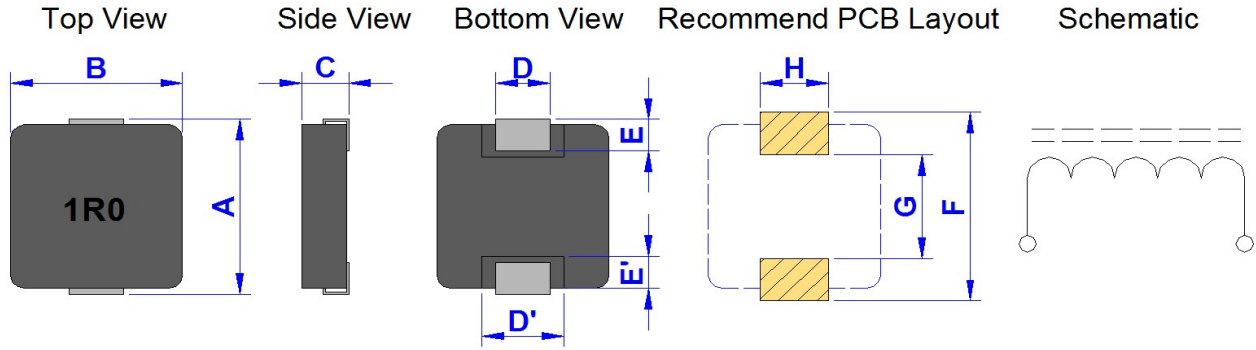
Current Characteristic :



Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC5018PH-SERIES

Dimension [mm] :



Size	A(±0.35)	B(±0.20)	C(±0.20)	D	D'	E	E'	F(Ref.)	G(Ref.)	H(Ref.)
5018PH	5.4	5.2	1.6	2.0+/-0.3	2.5+/-0.2	1.0+/-0.3	1.5+/-0.1	5.99	2.2	2.5

Electrical Characteristics :

Part No.	Inductance L(uH) +/- 20%	DCR (m Ohm) [Typ.] / [Max.]	I _{dc} (Amp) [Typ.] / [Max.]	I _{sat} (Amp) [Typ.] / [Max.]
GSTC5018PH-R33M	0.33	5.70/6.80	16.00/15.00	19.10/17.10
GSTC5018PH-R47M	0.47	7.60/8.50	11.00/10.00	16.00/15.50
GSTC5018PH-R68M	0.68	12.00/13.80	9.00/8.00	13.00/11.20
GSTC5018PH-1R0M	1.00	15.00/18.00	8.50/7.50	10.00/8.60
GSTC5018PH-1R5M	1.50	23.00/28.00	6.20/5.50	9.00/7.20
GSTC5018PH-2R2M	2.20	30.00/35.00	5.20/4.70	7.00/6.00
GSTC5018PH-3R3M	3.30	45.00/52.00	4.70/4.50	5.50/4.80
GSTC5018PH-4R7M	4.70	70.00/81.00	3.50/3.20	4.50/3.90
GSTC5018PH-6R8M	6.80	103.00/125.00	2.90/2.60	3.60/3.40
GSTC5018PH-100M	10.00	139.00/154.00	2.50/2.30	3.30/2.80

* Test Condition@100KHz,1.0Vrms, 25°C Ambient

* I_{dc} : DC current (A) that will cause an approximate ΔT of 40°C

* I_{sat} : DC current (A) that will cause L₀ to drop approximately 30%

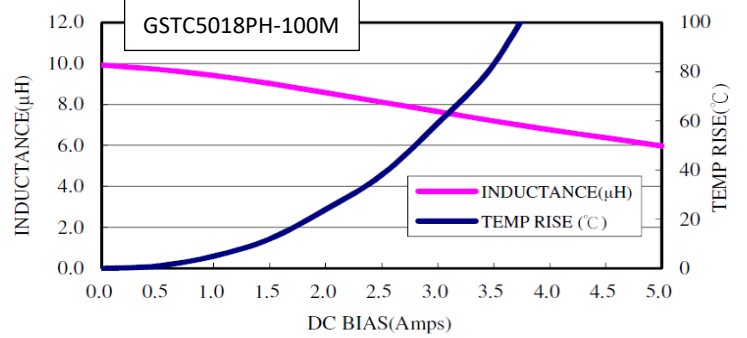
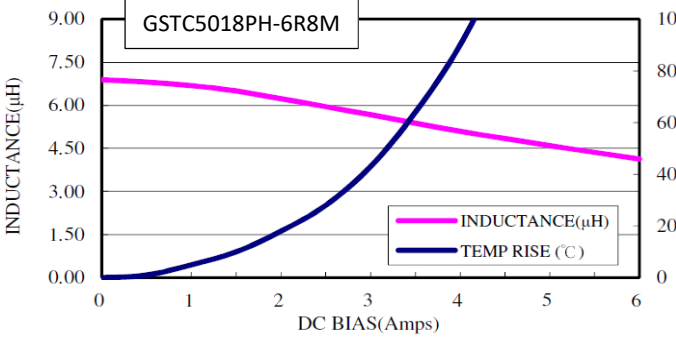
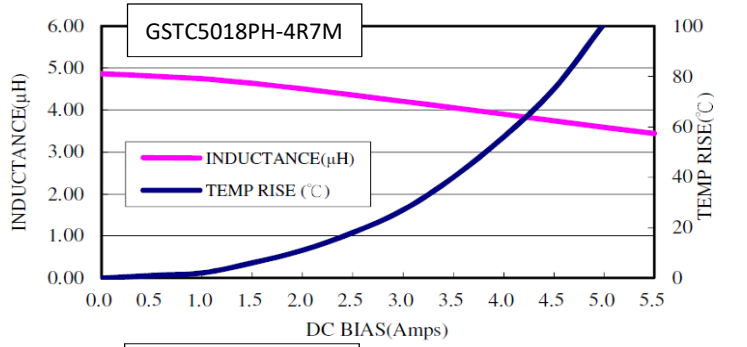
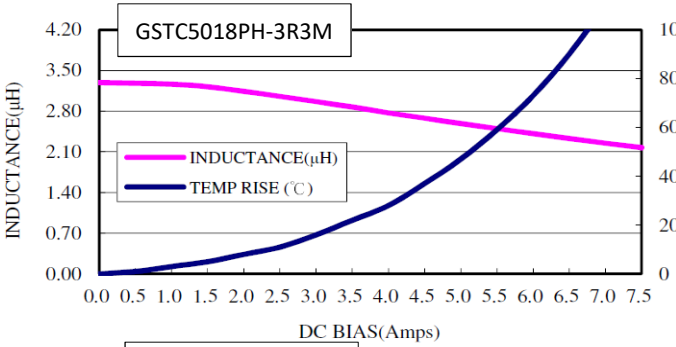
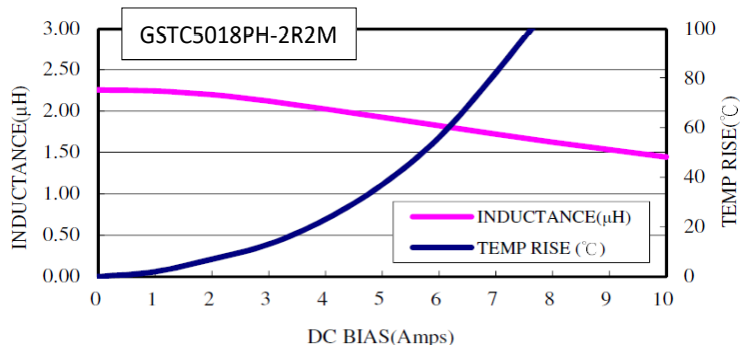
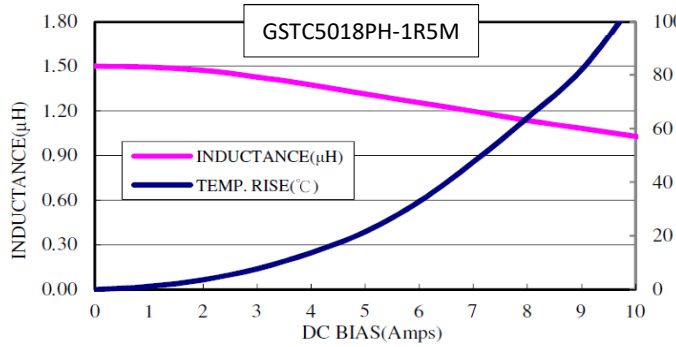
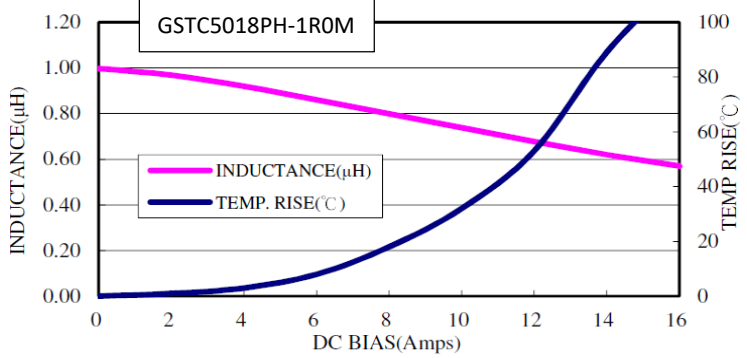
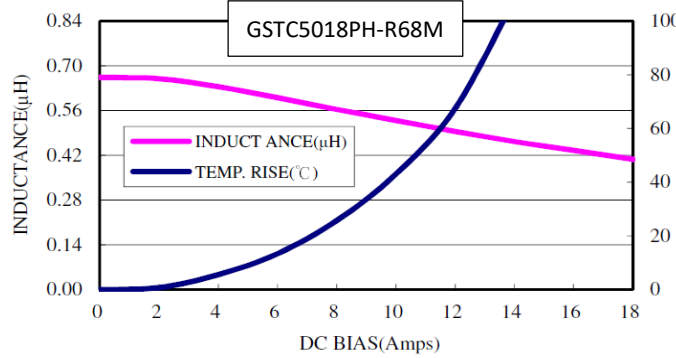
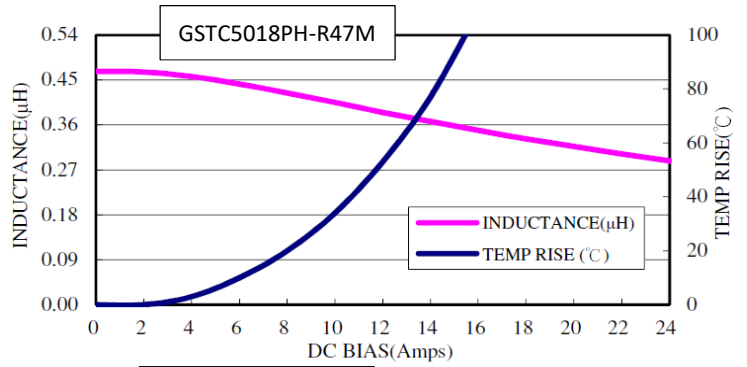
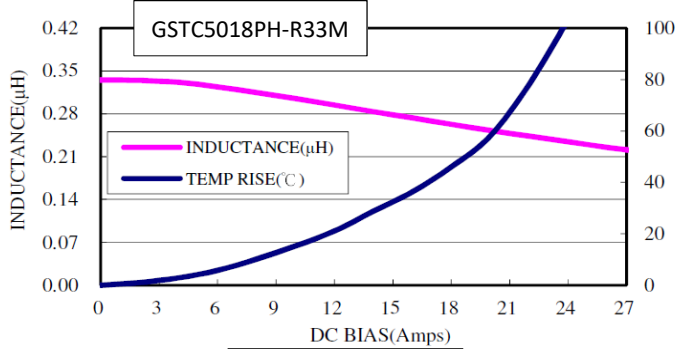
* Operating Temperature Range -55°C to +125°C

Product Series :	GSTC
File Version :	GSTC-SERIES-V7R2
Established Date :	2009.09.01
Latest Edit Date :	2023.04.20

Brand :	GOTREND
Editor :	Qiuyi Wu
Description :	High Current Inductor
Product Type :	<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC5018PH-SERIES

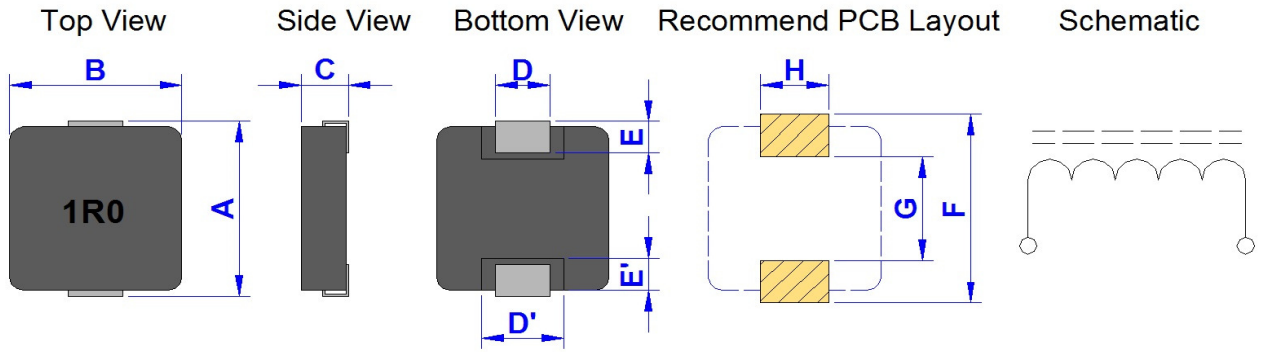
Current Characteristic :



Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC6015PE-SERIES

Dimension [mm] :



Size	A(±0.381)	B(±0.254)	C(±0.20)	D	D'	E	E'	F(Ref.)	G(Ref.)	H(Ref.)
6015PE	6.86	6.47	1.3	3.0+/-0.3	3.6+/-0.2	1.6+/-0.3	2.0+/-0.1	8.4	3.7	3.5

Electrical Characteristics :

Part No.	Inductance L(uH) +/- 20%	DCR (m Ohm) [Typ.] / [Max.]	Idc(Amp) [Typ.] / [Max.]	Isat (Amp) [Typ.] / [Max.]
GSTC6015PE-R12M	0.12	3.00/3.65	19.00/17.00	29.00/25.00
GSTC6015PE-R15M	0.15	3.50/4.10	18.00/16.00	25.00/22.00
GSTC6015PE-R33M	0.33	5.60/6.50	13.50/12.00	21.00/19.00
GSTC6015PE-R47M	0.47	7.20/8.50	13.00/11.00	18.00/15.50
GSTC6015PE-R56M	0.56	9.50/11.00	10.00/9.00	15.00/14.00
GSTC6015PE-R82M	0.82	15.00/17.00	9.00/8.50	13.00/11.00
GSTC6015PE-1R0M	1.00	18.50/21.00	8.20/7.60	12.00/10.00
GSTC6015PE-1R2M	1.20	21.00/25.00	7.50/7.00	10.50/8.50
GSTC6015PE-1R5M	1.50	25.00/28.00	7.20/6.70	8.50/7.70
GSTC6015PE-2R2M	2.20	35.00/42.00	6.00/5.10	7.20/6.10
GSTC6015PE-3R3M	3.30	54.00/63.00	3.80/3.30	6.00/5.20
GSTC6015PE-4R7M	4.70	75.00/84.00	3.50/3.00	5.00/4.50
GSTC6015PE-6R8M	6.80	11.00/130.0	3.00/2.50	4.50/4.00
GSTC6015PE-100M	10.00	165.00/175.00	2.20/2.00	3.50/3.00

* Test Condition@100KHz,1.0Vrms, 25°C Ambient

* Idc : DC current (A) that will cause an approximate ΔT of 40°C

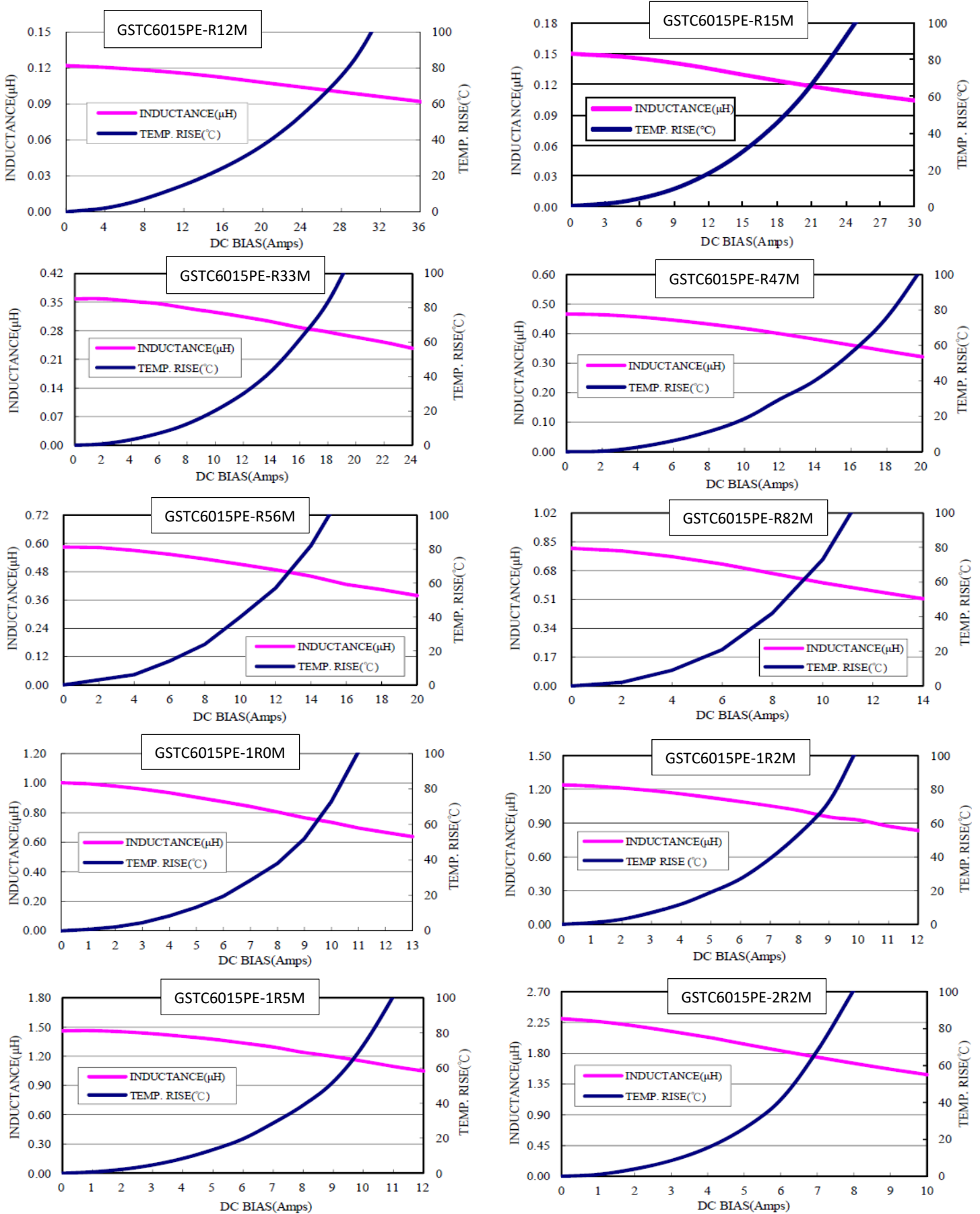
* Isat : DC current (A) that will cause L0 to drop approximately 30%

* Operating Temperature Range -55°C to +125°C

Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC6015PE-SERIES

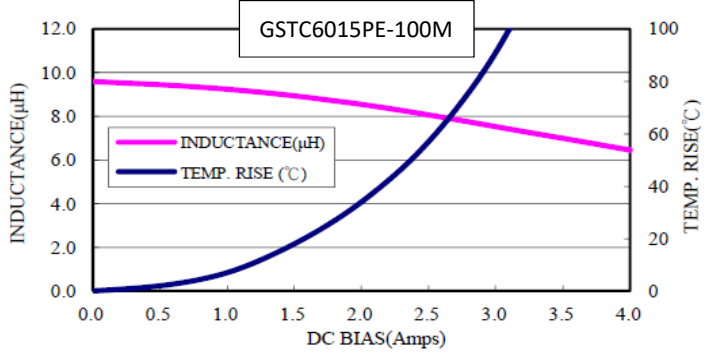
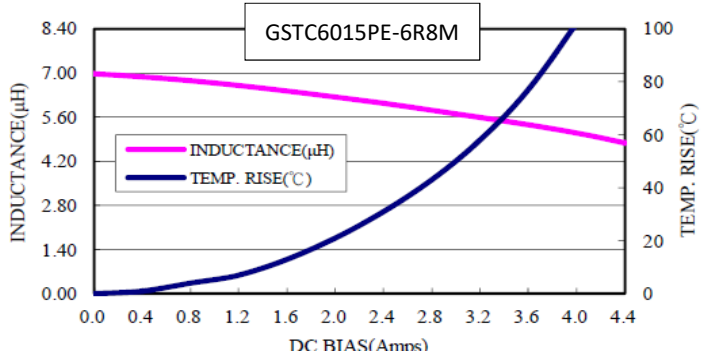
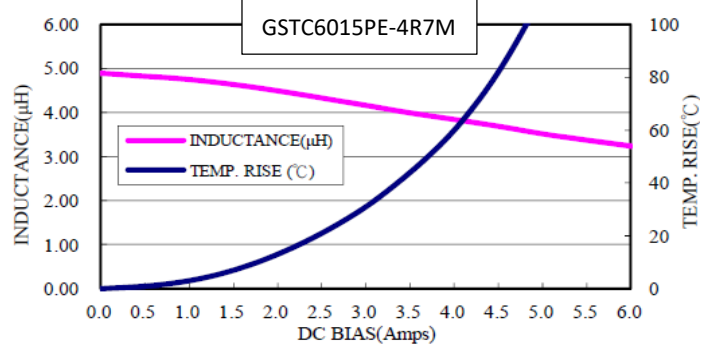
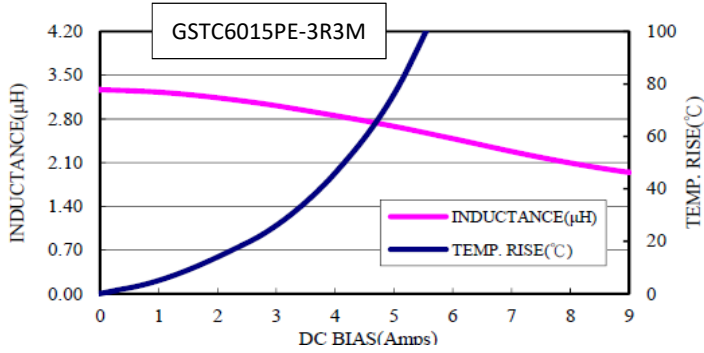
Current Characteristic :



Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC6015PE-SERIES

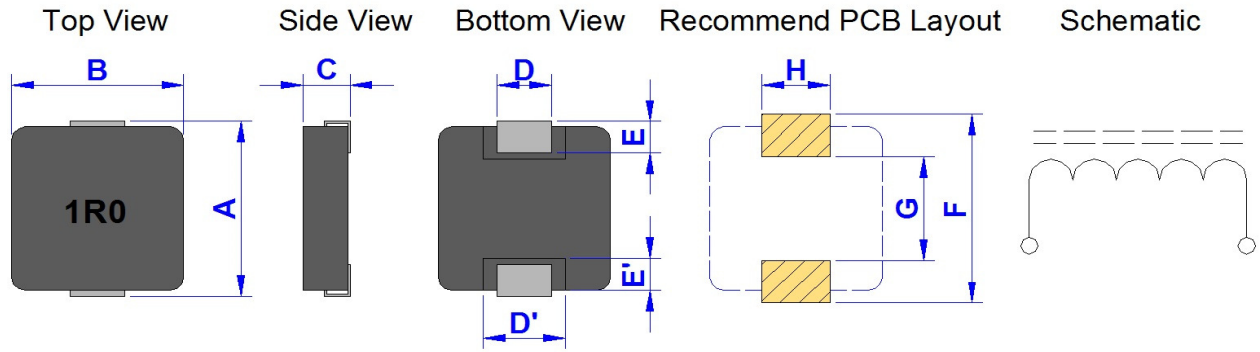
Current Characteristic :



Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC6018PH-SERIES

Dimension [mm] :



Size	A(±0.35)	B(±0.20)	C(±0.20)	D	D'	E	E'	F(Ref.)	G(Ref.)	H(Ref.)
6018PH	7.05	6.6	1.6	3.0+/-0.3	3.6+/-0.2	1.6+/-0.3	2.0+/-0.1	8.4	3.7	3.5

Electrical Characteristics :

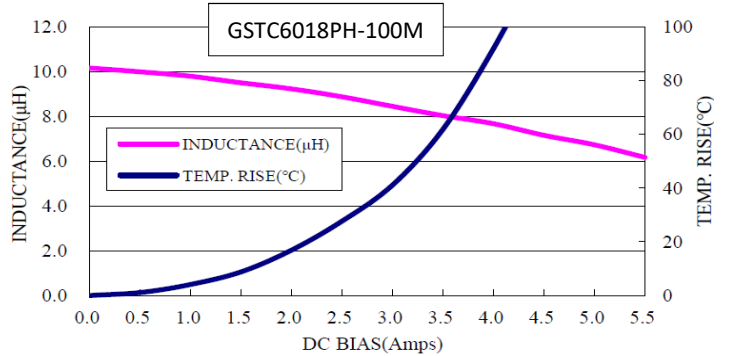
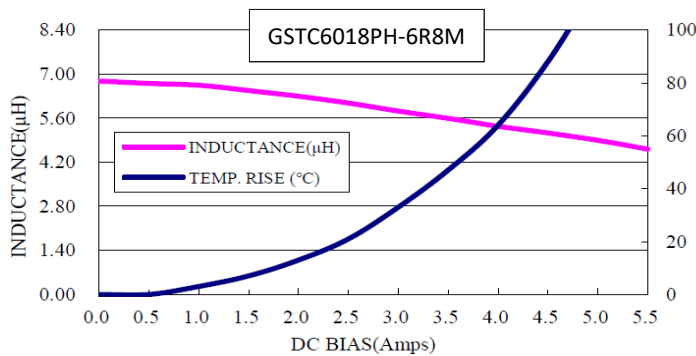
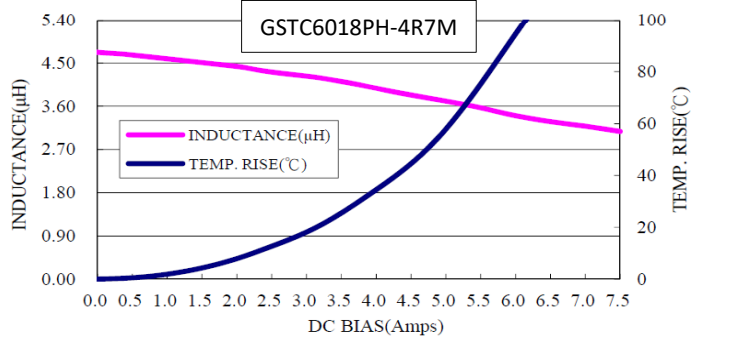
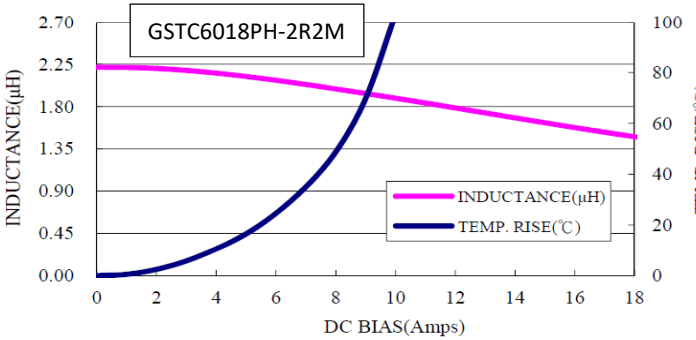
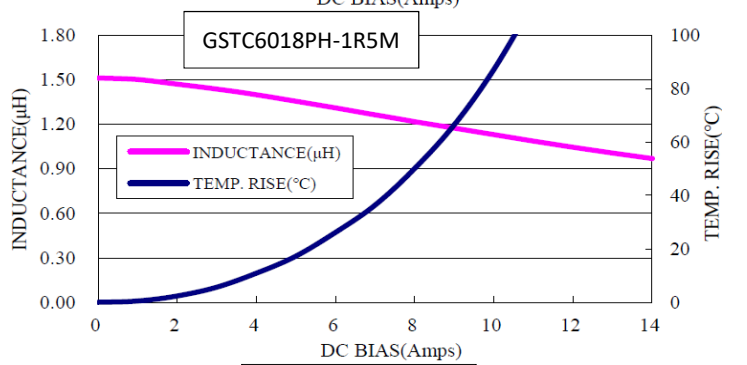
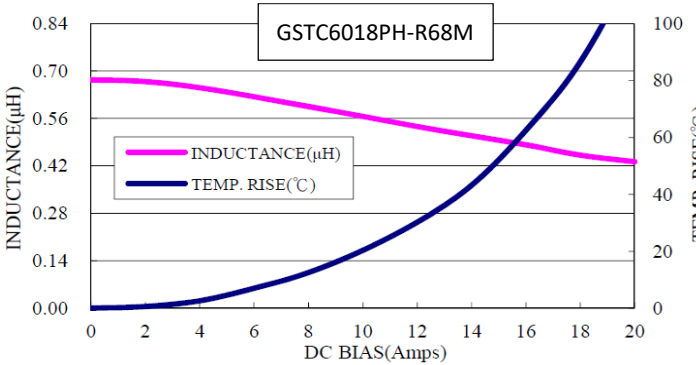
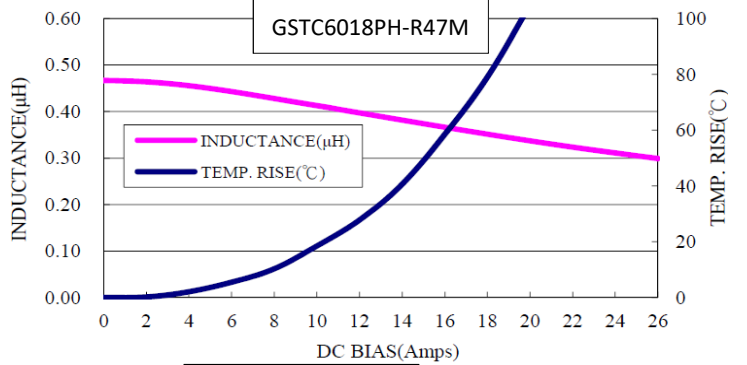
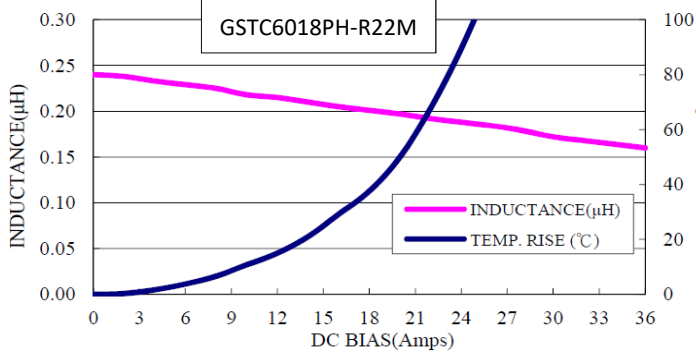
Part No.	Inductance L(μH) +/- 20%	DCR (m Ohm) [Typ.] / [Max.]	I _{dc} (Amp) [Typ.] / [Max.]	I _{sat} (Amp) [Typ.] / [Max.]
GSTC6018PH-R22M	0.22	4.30/4.90	18.00/16.00	29.00/25.00
GSTC6018PH-R47M	0.47	7.10/8.20	12.50/11.50	19.00/16.00
GSTC6018PH-R68M	0.68	9.06/10.40	9.50/8.50	13.00/11.00
GSTC6018PH-1R5M	1.50	20.00/26.00	6.50/6.00	10.00/8.50
GSTC6018PH-2R2M	2.20	25.00/28.50	6.00/5.50	7.30/6.50
GSTC6018PH-4R7M	4.70	58.00/67.00	3.90/3.50	5.20/4.50
GSTC6018PH-6R8M	6.80	98.00/109.00	2.90/2.65	3.90/3.50
GSTC6018PH-100M	10.00	138.00/153.00	2.50/2.30	3.50/3.00

- * Test Condition@100KHz,1.0Vrms, 25°C Ambient
- * I_{dc} : DC current (A) that will cause an approximate ΔT of 40°C
- * I_{sat} : DC current (A) that will cause L₀ to drop approximately 30%
- * Operating Temperature Range -55°C to +125°C

Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC6018PH-SERIES

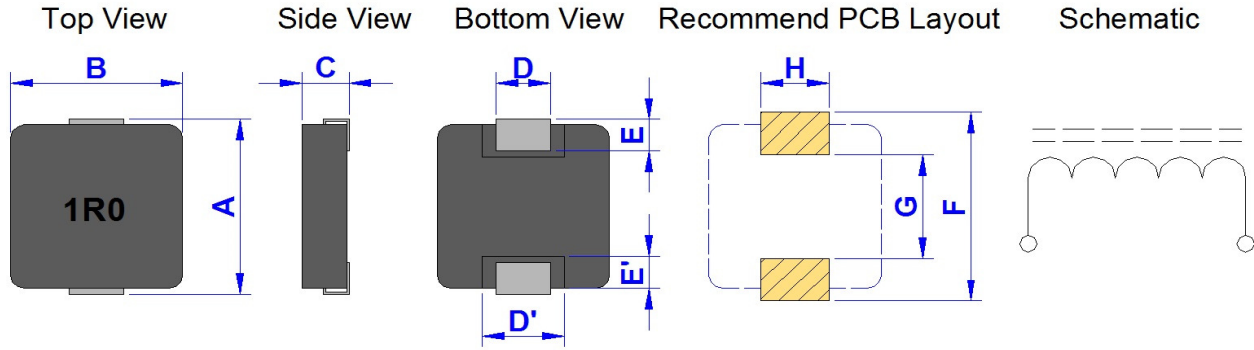
Current Characteristic :



Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC6030PT-SERIES

Dimension [mm] :



Size	A(±0.35)	B(±0.20)	C(±0.20)	D	D'	E	E'	F(Ref.)	G(Ref.)	H(Ref.)
6030PT	6.95	6.6	2.8	3.0+/-0.3	3.6+/-0.2	1.6+/-0.3	2.0+/-0.1	8.4	3.7	3.5

Electrical Characteristics :

Part No.	Inductance L(uH) +/- 20%	DCR (m Ohm) [Typ.] / [Max.]	Idc(Amp) [Typ.] / [Max.]	Isat (Amp) [Typ.] / [Max.]
GSTC6030PT-R10M	0.10	0.81/0.99	40.00/35.00	60.20/48.00
GSTC6030PT-R15M	0.15	1.80/2.40	30.00/25.00	41.00/35.00
GSTC6030PT-R20M	0.20	2.20/3.00	26.00/22.00	38.00/33.00
GSTC6030PT-R22M	0.22	2.30/3.00	25.00/21.00	35.00/32.00
GSTC6030PT-R33M	0.33	2.70/3.30	22.00/20.00	26.00/22.00
GSTC6030PT-R36M	0.36	3.20/3.80	20.00/18.00	24.50/22.00
GSTC6030PT-R47M	0.47	3.48/4.10	18.00/16.00	21.00/17.80
GSTC6030PT-R56M	0.56	3.88/4.50	16.50/15.00	20.00/16.00
GSTC6030PT-R68M	0.68	4.75/5.30	16.00/14.50	19.00/15.00
GSTC6030PT-R82M	0.82	5.38/6.00	14.00/13.00	17.00/14.00
GSTC6030PT-1R0M	1.00	6.60/7.25	13.00/11.20	16.50/13.50
GSTC6030PT-1R2M	1.20	7.70/8.60	11.70/10.10	14.50/12.50
GSTC6030PT-1R5M	1.50	9.10/10.50	10.00/9.50	14.20/12.00
GSTC6030PT-2R2M	2.20	13.40/15.00	8.50/8.00	12.50/10.50
GSTC6030PT-3R3M	3.30	17.90/22.00	7.20/6.20	9.60/8.50
GSTC6030PT-4R7M	4.70	27.90/33.00	6.00/5.50	6.55/5.50
GSTC6030PT-5R6M	5.60	39.00/42.00	5.70/5.00	6.35/5.05
GSTC6030PT-6R8M	6.80	42.00/48.00	4.70/4.20	6.30/5.00
GSTC6030PT-8R2M	8.20	53.90/60.00	4.50/3.80	6.05/4.92
GSTC6030PT-100M	10.00	60.00/68.00	4.00/3.50	5.60/4.90
GSTC6030PT-150M	15.00	132.50/150.00	2.70/2.40	3.80/3.30
GSTC6030PT-220M	22.00	179.50/200.00	2.30/2.00	3.10/2.50
GSTC6030PT-330M	33.00	274.00/284.00	2.10/1.80	2.30/2.00

* Test Condition@100KHz, 1.0Vrms, 25°C Ambient

* Idc : DC current (A) that will cause an approximate ΔT of 40°C

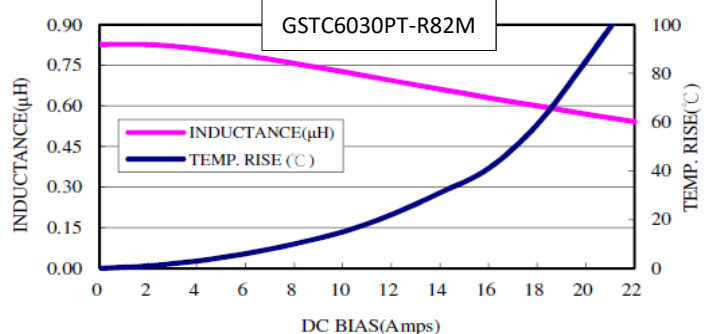
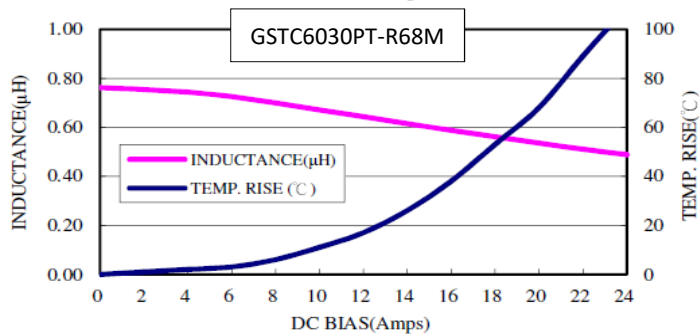
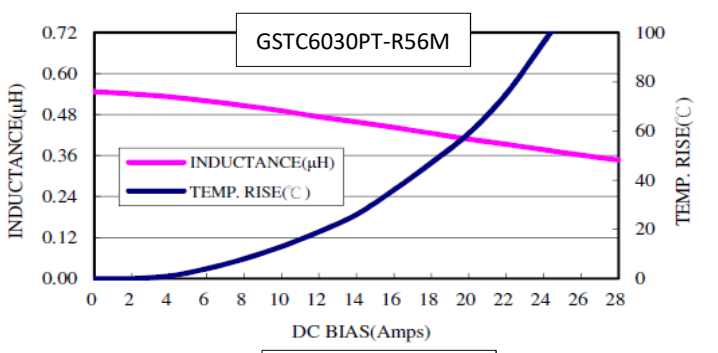
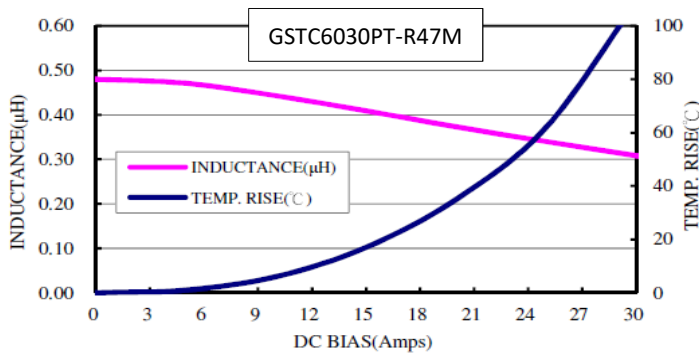
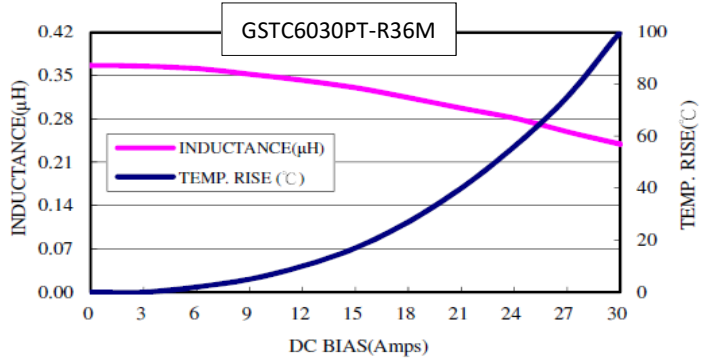
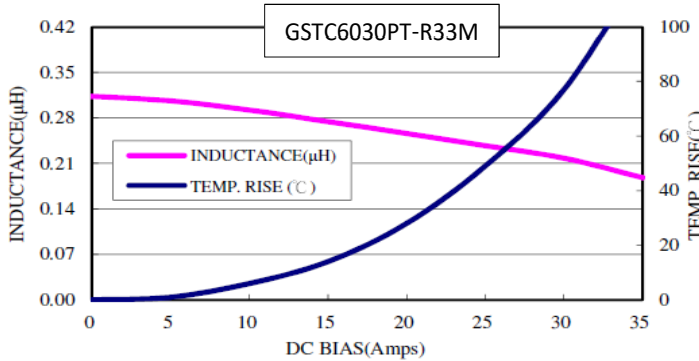
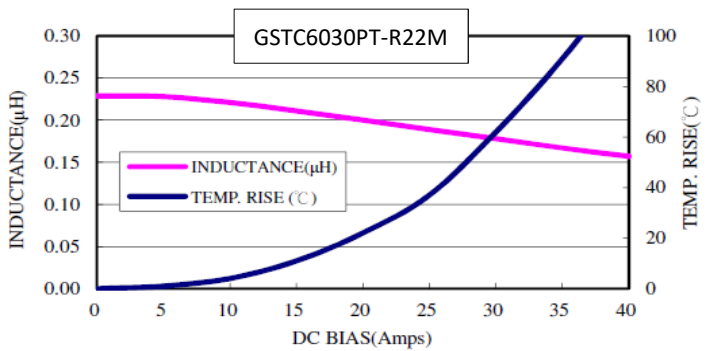
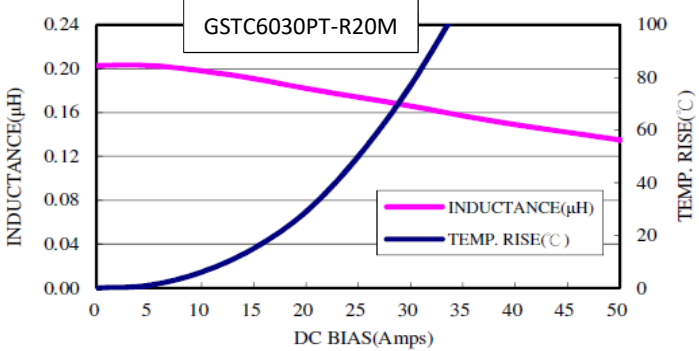
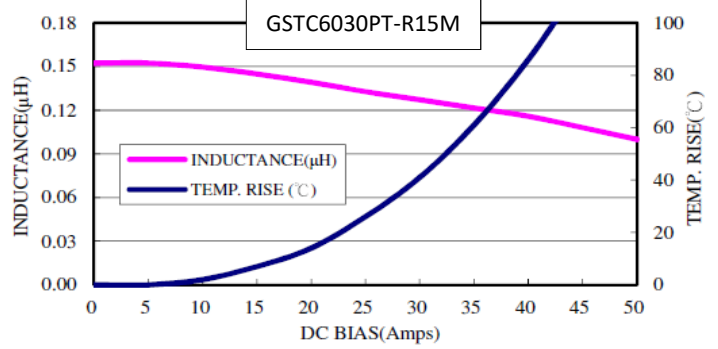
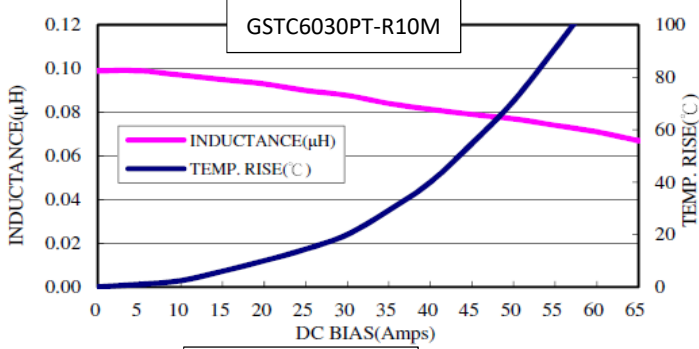
* Isat : DC current (A) that will cause L0 to drop approximately 30%

* Operating Temperature Range -55°C to +125°C

Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC6030PT-SERIES

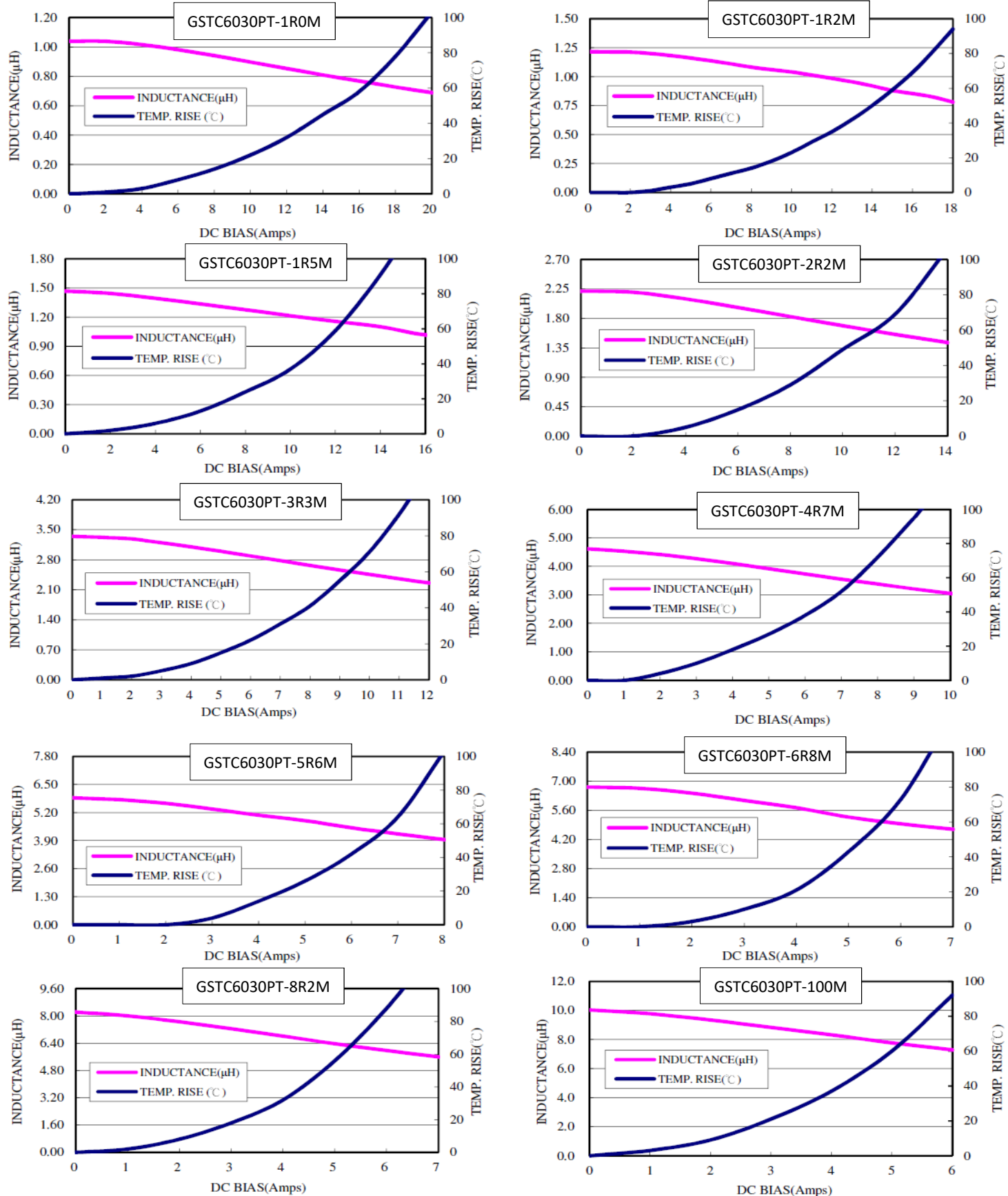
Current Characteristic :



Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC6030PT-SERIES

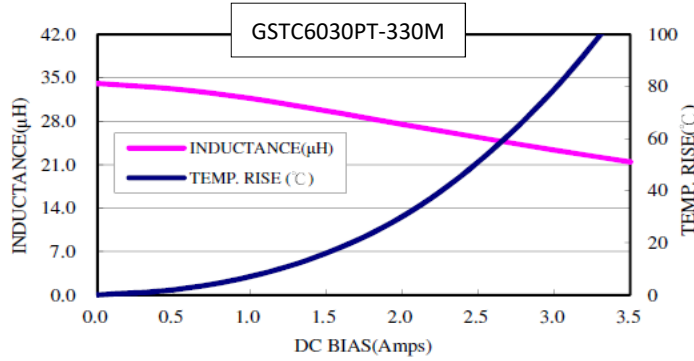
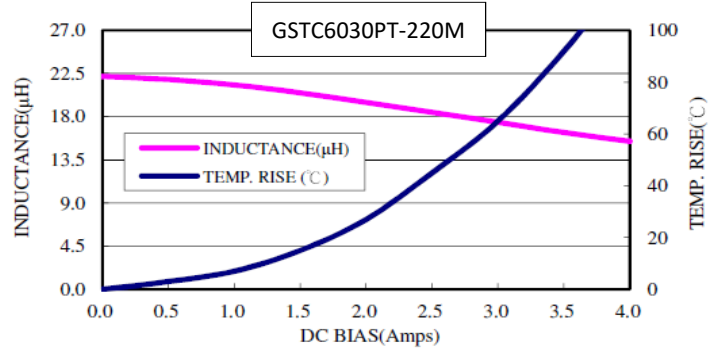
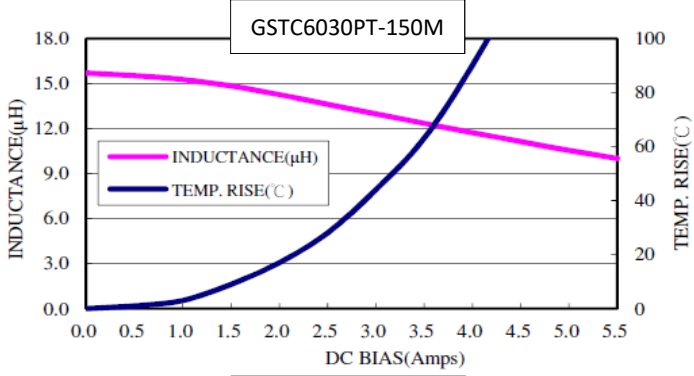
Current Characteristic :



Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC6030PT-SERIES

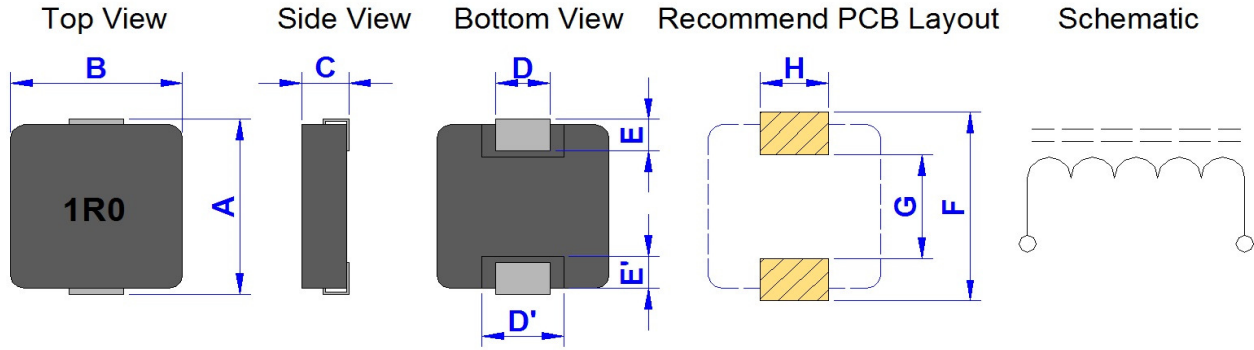
Current Characteristic :



Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC6040PT-SERIES

Dimension [mm] :



Size	A	B(±0.20)	C(±0.20)	D	D'	E	E'	F(Ref.)	G(Ref.)	H(Ref.)
6040PT-R15/R22/R24	7.6Max	6.6	3.8	3.0+/-0.3	3.6+/-0.2	1.6+/-0.3	2.0+/-0.1	8.4	3.7	3.5
6040PT-R36/R42	6.95±0.35	6.6	3.8	3.0+/-0.3	3.6+/-0.2	1.6+/-0.3	2.0+/-0.1	8.4	3.7	3.5

Electrical Characteristics :

Part No.	Inductance L(uH) +/- 20%	DCR (m Ohm)	Idc(Amp) [Typ.] / [Max.]	Isat (Amp) [Typ.] / [Max.]
GSTC6040PT-R15M	0.15	0.66 ± 7%	40.00/37.00	50.00/46.00
GSTC6040PT-R22M	0.22	0.98 ± 7%	35.00/32.00	35.50/28.50
GSTC6040PT-R24M	0.24	1.00 ± 7%	34.00/31.00	35.50/28.50
GSTC6040PT-R36M	0.36	1.40 ± 7%	30.00/25.00	26.00/23.00
GSTC6040PT-R42M	0.42	1.55 ± 7%	24.00/21.00	23.00/19.00

* Test Condition@100KHz, 1.0Vrms, 25°C Ambient

* Idc : DC current (A) that will cause an approximate ΔT of 40°C

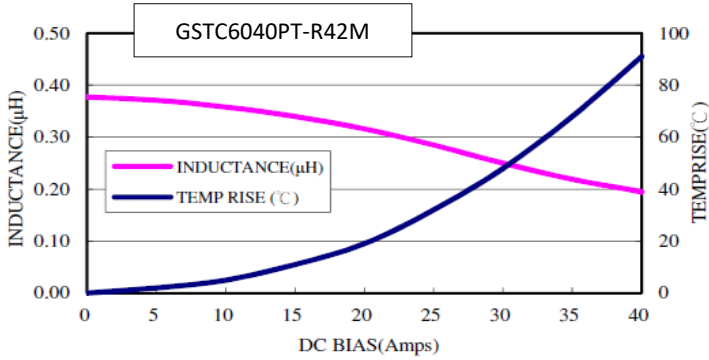
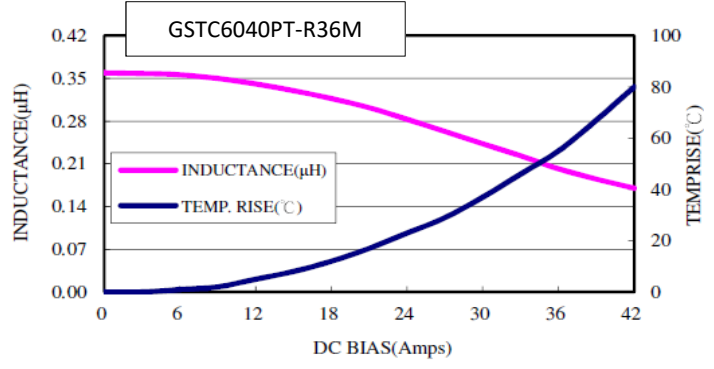
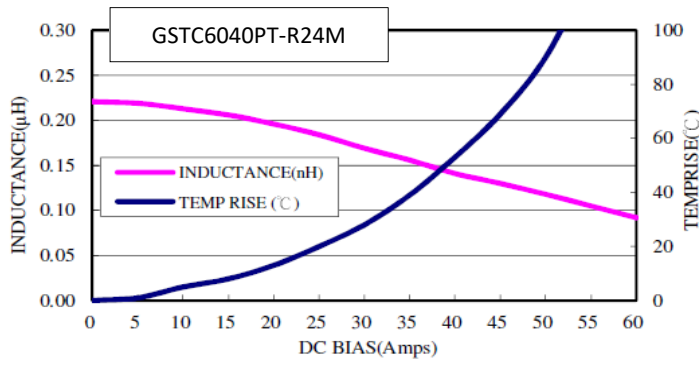
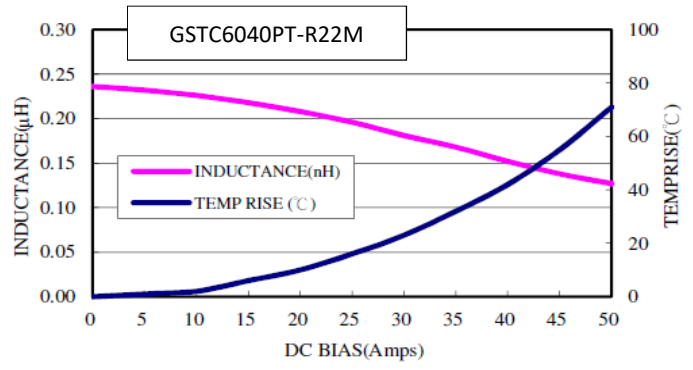
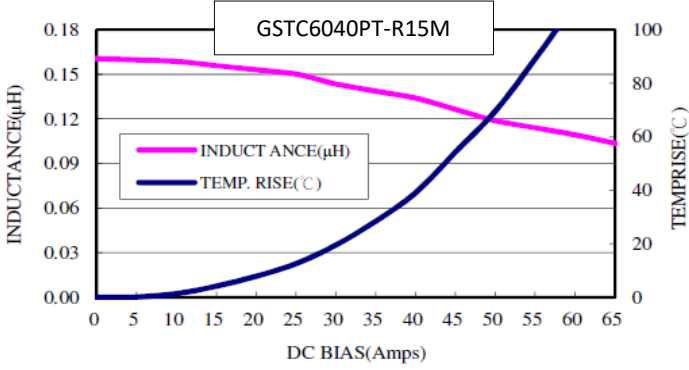
* Isat : DC current (A) that will cause L0 to drop approximately 30%

* Operating Temperature Range -55°C to +125°C

Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuqi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC6040PT-SERIES

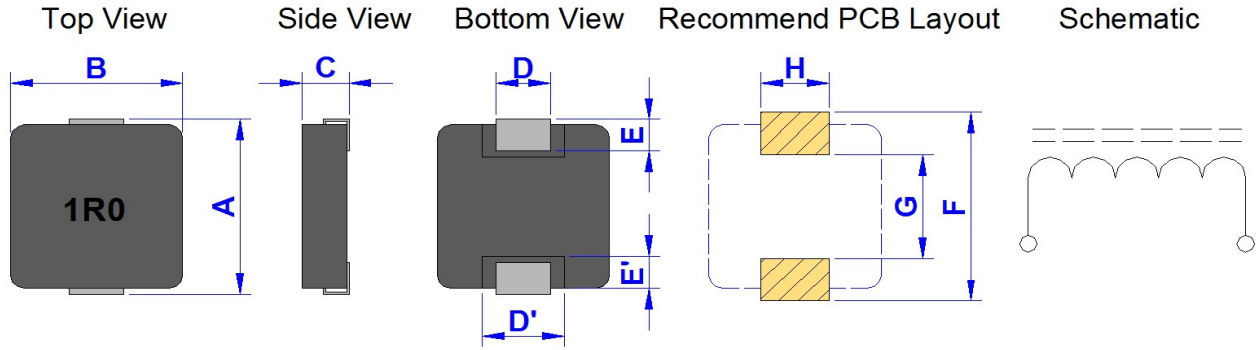
Current Characteristic :



Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC1030PT-SERIES

Dimension [mm] :



Size	A(±0.35)	B(±0.30)	C(±0.20)	D	D'	E	E'	F(Ref.)	G(Ref.)	H(Ref.)
1030PT	10.85	10	2.8	3.0+/-0.5	5.0+/-0.2	2.0+/-0.5	2.5+/-0.1	13.6	5.4	4.1

Electrical Characteristics :

Part No.	Inductance L(uH) +/- 20%	DCR (m Ohm) [Typ.] / [Max.]	Idc(Amp) [Typ.] / [Max.]	Isat (Amp) [Typ.] / [Max.]
GSTC1030PT-1R0M	1.00	5.20/6.00	15.00/13.50	23.00/20.00
GSTC1030PT-1R5M	1.50	6.50/7.50	13.50/12.20	20.00/16.00
GSTC1030PT-2R2M	2.20	7.70/8.90	13.20/12.00	16.20/13.70
GSTC1030PT-3R3M	3.30	13.80/15.50	9.20/8.50	14.50/12.20
GSTC1030PT-4R7M	4.70	20.00/23.30	7.00/6.30	13.50/11.60
GSTC1030PT-8R2M	8.20	34.70/40.00	5.00/4.50	8.80/7.50
GSTC1030PT-100M	10.00	45.00/52.00	4.50/4.00	7.80/6.40
GSTC1030PT-220M	22.00	89.00/97.00	3.30/2.90	5.20/4.50

* Test Condition@100KHz, 1.0Vrms, 25°C Ambient

* Idc : DC current (A) that will cause an approximate ΔT of 40°C

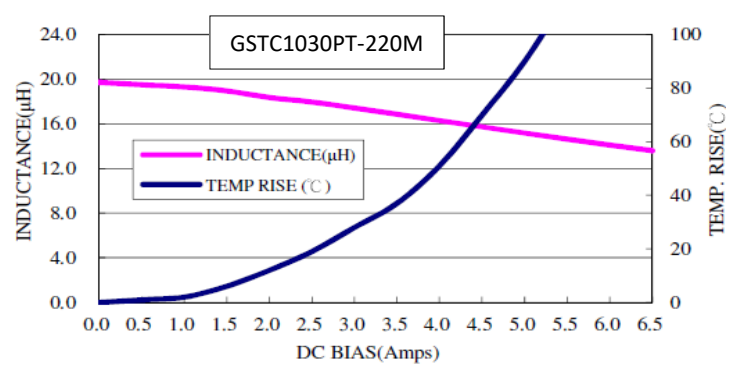
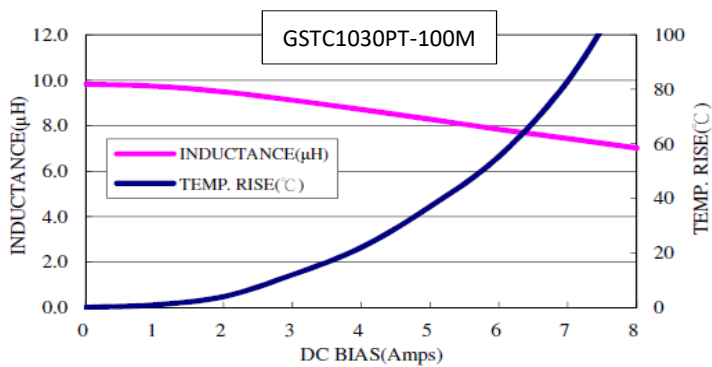
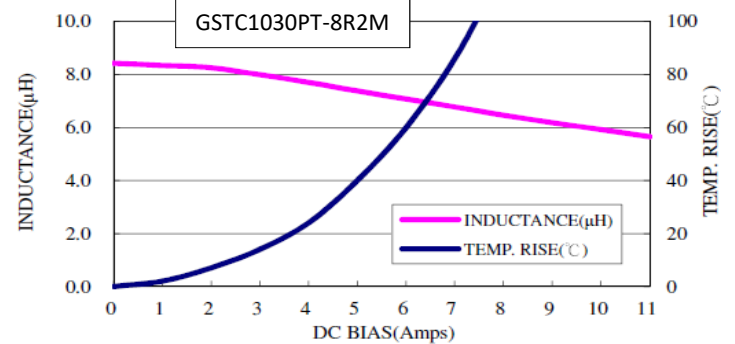
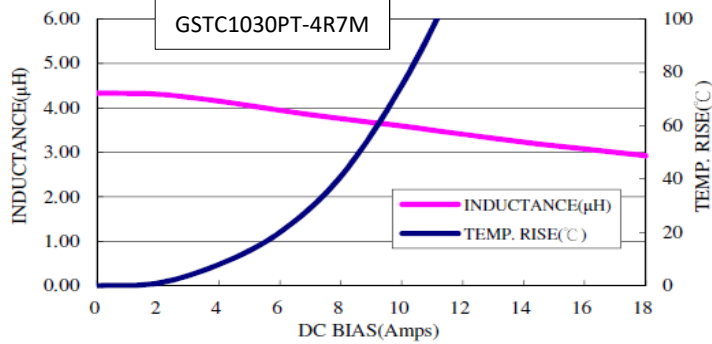
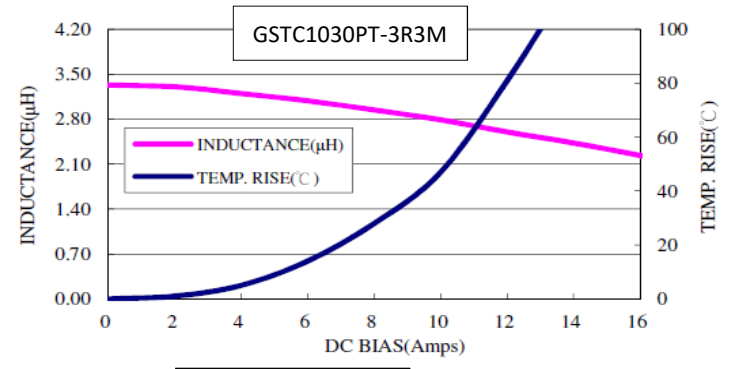
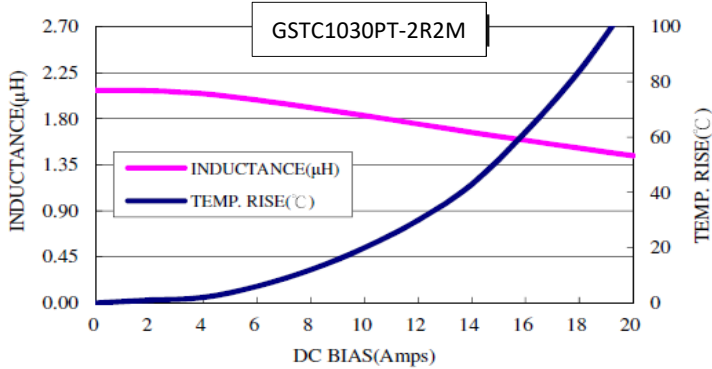
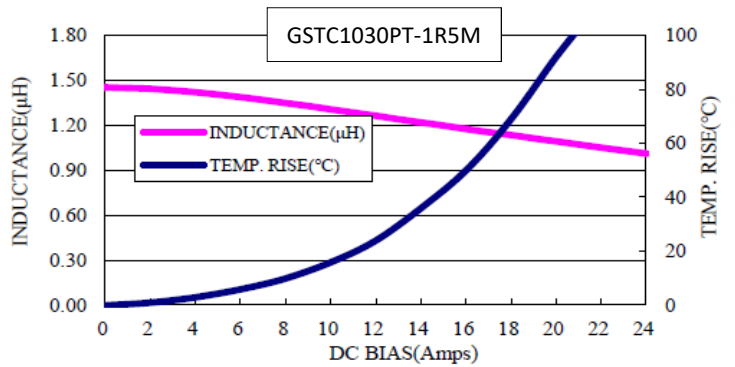
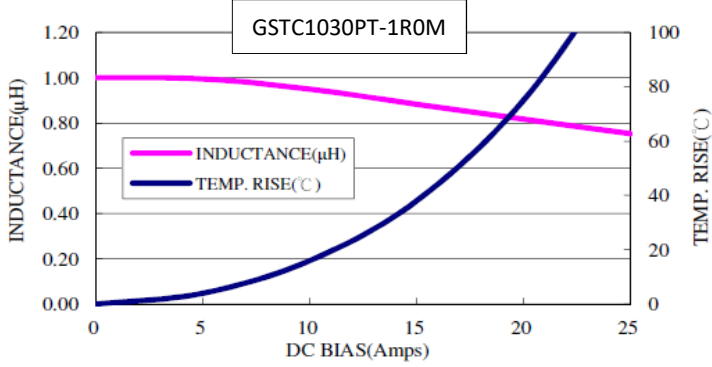
* Isat : DC current (A) that will cause L0 to drop approximately 30%

* Operating Temperature Range -55°C to +125°C

Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC1030PT-SERIES

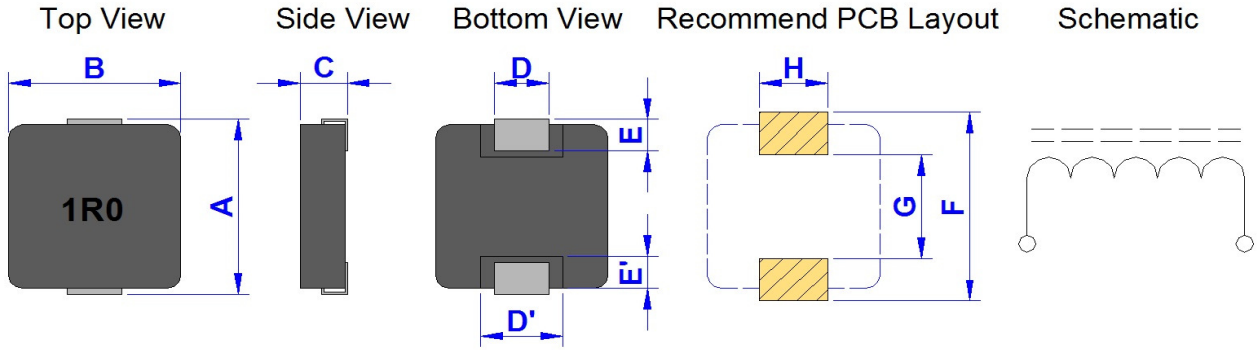
Current Characteristic :



Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC1040PT-SERIES

Dimension [mm] :



Size	A(±0.35)	B(±0.30)	C(±0.20)	D	D'	E	E'	F(Ref.)	G(Ref.)	H(Ref.)
1040PT-R22/R45/1R0/1R5	11.15	10	3.8	3.0+/-0.5	5.0+/-0.2	2.0+/-0.5	2.5+/-0.1	13.6	5.4	4.1
1040PT-2R2/3R3/4R7	10.85	10	3.8	3.0+/-0.5	5.0+/-0.2	2.0+/-0.5	2.5+/-0.1	13.6	5.4	4.1

Electrical Characteristics :

Part No.	Inductance L(uH) +/- 20%	DCR (m Ohm) [Typ.] / [Max.]	Idc(Amp) [Typ.] / [Max.]	Isat (Amp) [Typ.] / [Max.]
GSTC1040PT-R22M	0.22	0.60/0.70	50.00/45.00	72.00/66.00
GSTC1040PT-R45M	0.45	1.00/1.10	35.00/32.00	48.00/43.00
GSTC1040PT-1R0M	1.00	2.30/2.60	25.00/22.50	32.00/28.00
GSTC1040PT-1R5M	1.50	3.00/3.60	23.00/21.00	29.00/26.00
GSTC1040PT-2R2M	2.20	5.30/6.20	17.00/16.00	25.00/21.00
GSTC1040PT-3R3M	3.30	9.00/10.00	15.00/13.00	19.00/17.00
GSTC1040PT-4R7M	4.70	12.30/13.80	12.00/11.00	18.00/16.00

* Test Condition@100KHz,1.0Vrms, 25°C Ambient

* Idc : DC current (A) that will cause an approximate ΔT of 40°C

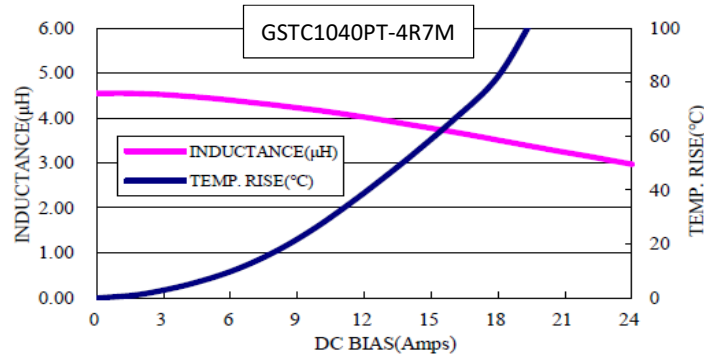
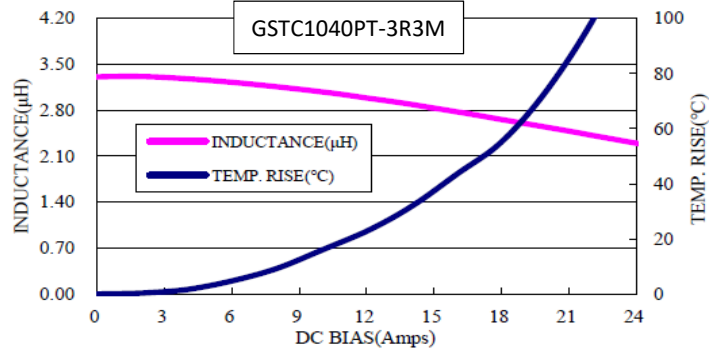
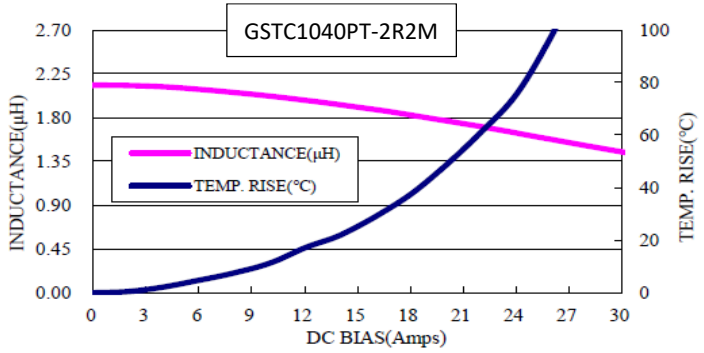
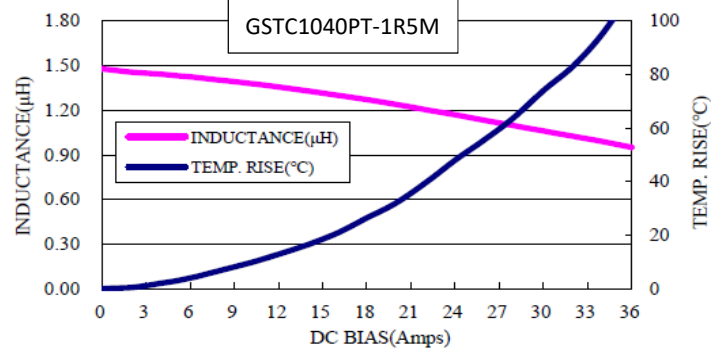
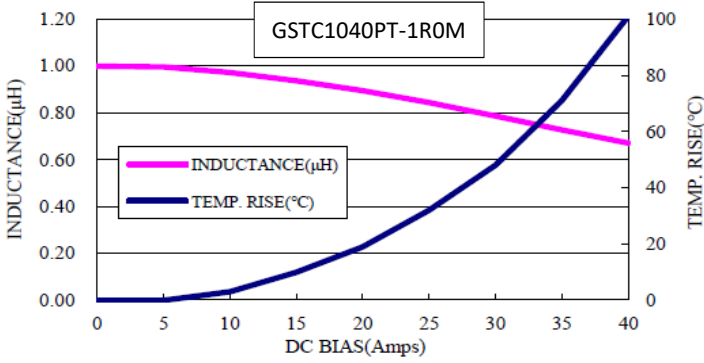
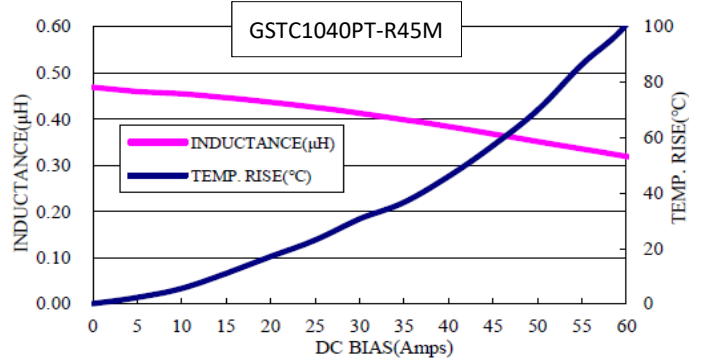
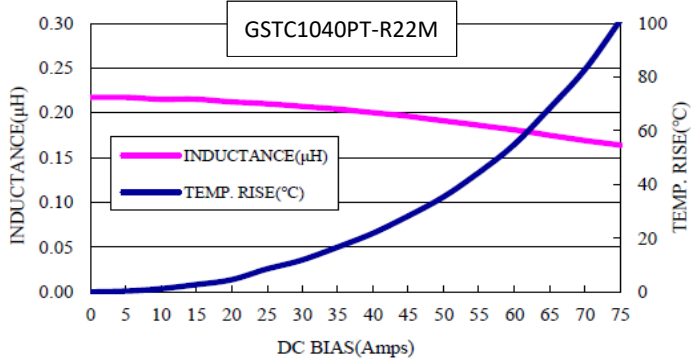
* Isat : DC current (A) that will cause L0 to drop approximately 30%

* Operating Temperature Range -55°C to +125°C

Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC1040PT-SERIES

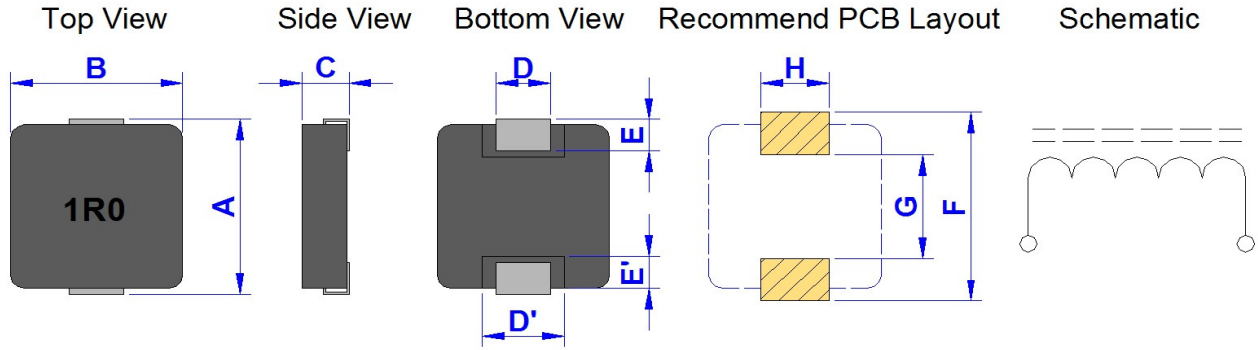
Current Characteristic :



Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC1040PB-SERIES

Dimension [mm] :



Size	A(±0.35)	B(±0.30)	C(±0.20)	D	D'	E	E'	F(Ref.)	G(Ref.)	H(Ref.)
1040PB-R22/R36/R47/R56/1R0/1R5	11.15	10	3.8	3.0+/-0.5	5.0+/-0.2	2.0+/-0.5	2.5+/-0.1	13.6	5.4	4.1
1040PB-2R2/3R3/4R7/5R6/6R8/100/220/330/470	10.85	10	3.8	3.0+/-0.5	5.0+/-0.2	2.0+/-0.5	2.5+/-0.1	13.6	5.4	4.1

Electrical Characteristics :

Part No.	Inductance L(uH) +/- 20%	DCR (m Ohm) [Typ.] / [Max.]	Idc(Amp) [Typ.] / [Max.]	Isat (Amp) [Typ.] / [Max.]
GSTC1040PB-R22M	0.22	0.82/0.93	36.00/32.00	61.00/59.00
GSTC1040PB-R36M	0.36	1.05/1.18	33.00/29.00	51.00/42.00
GSTC1040PB-R47M	0.47	1.30/1.50	32.00/28.00	46.00/40.00
GSTC1040PB-R56M	0.56	1.59/1.80	25.00/23.00	33.50/28.00
GSTC1040PB-1R0M	1.00	2.85/3.30	19.00/17.00	29.00/26.00
GSTC1040PB-1R5M	1.50	3.80/4.20	16.00/15.00	22.00/18.00
GSTC1040PB-2R2M	2.20	6.00/7.00	12.00/11.00	20.00/16.00
GSTC1040PB-3R3M	3.30	10.50/12.00	10.00/9.00	16.20/13.50
GSTC1040PB-4R7M	4.70	16.80/20.00	8.50/7.60	15.20/13.00
GSTC1040PB-5R6M	5.60	19.80/23.00	8.00/7.20	14.10/11.50
GSTC1040PB-6R8M	6.80	22.00/24.50	7.50/6.50	12.20/11.00
GSTC1040PB-100M	10.00	27.00/30.00	7.50/5.80	8.60/7.20
GSTC1040PB-220M	22.00	59.00/66.00	5.00/4.00	6.20/5.40
GSTC1040PB-330M	33.00	84.00/91.00	4.40/3.50	5.50/5.00
GSTC1040PB-470M	47.00	129.00/143.00	3.30/2.80	4.00/3.700

* Test Condition@100KHz,1.0Vrms, 25°C Ambient

* Idc : DC current (A) that will cause an approximate ΔT of 40°C

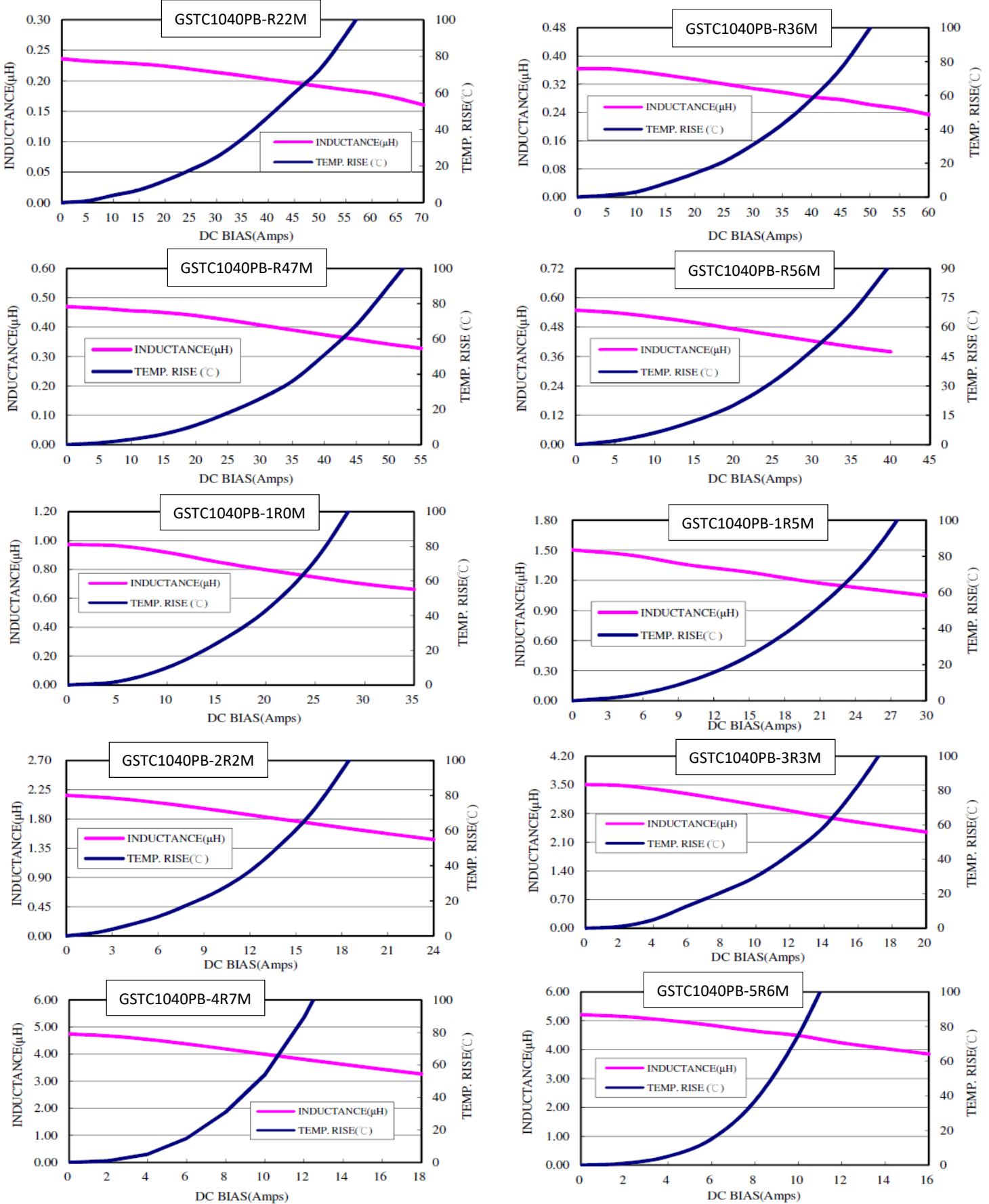
* Isat : DC current (A) that will cause L0 to drop approximately 30%

* Operating Temperature Range -55°C to +125°C

Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC1040PB-SERIES

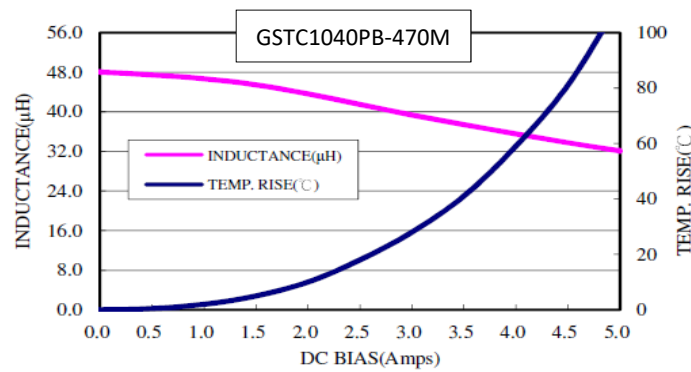
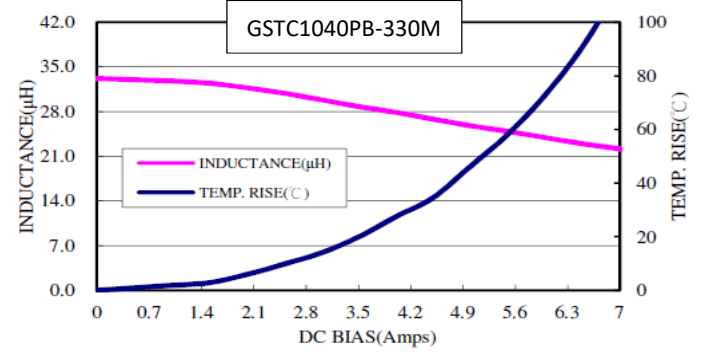
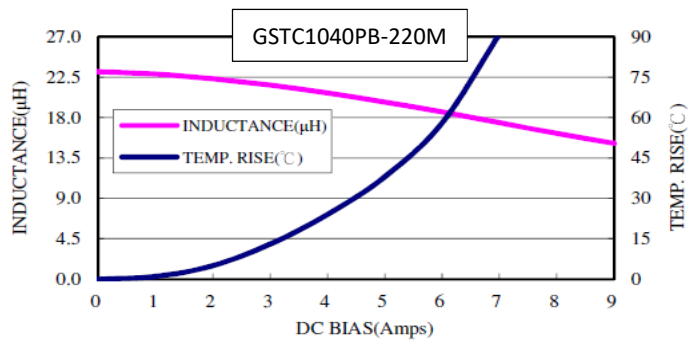
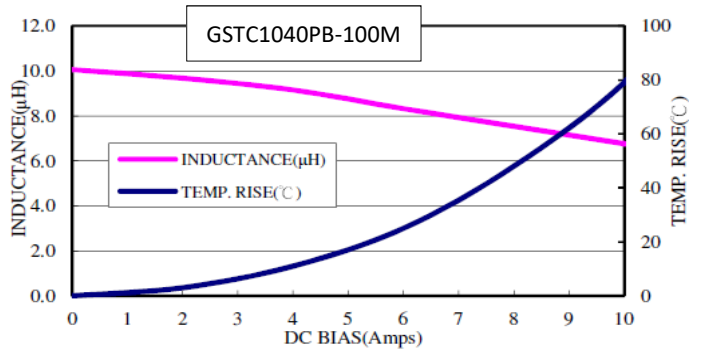
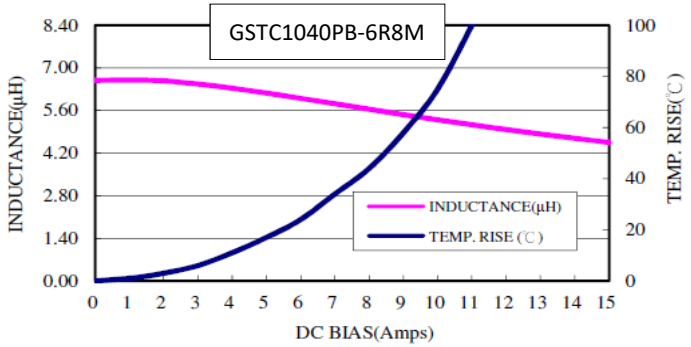
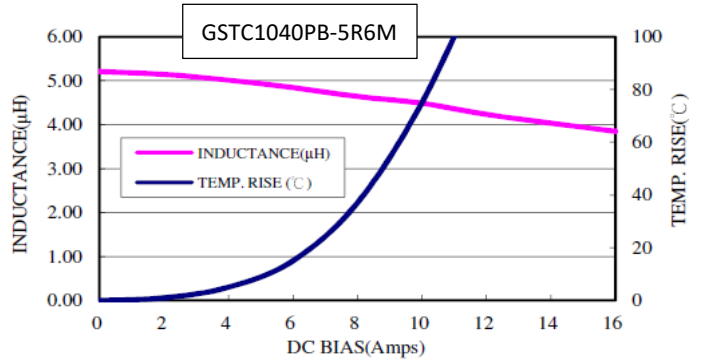
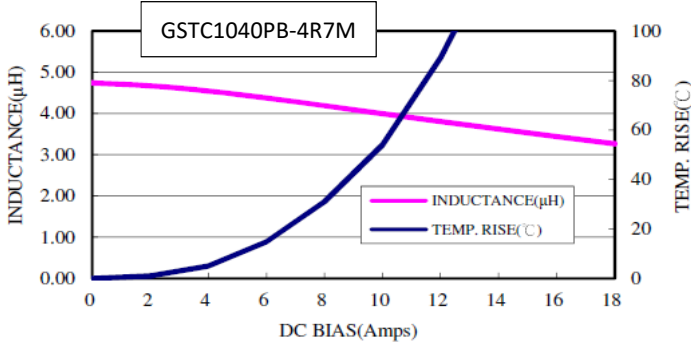
Current Characteristic :



Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC1040PB-SERIES

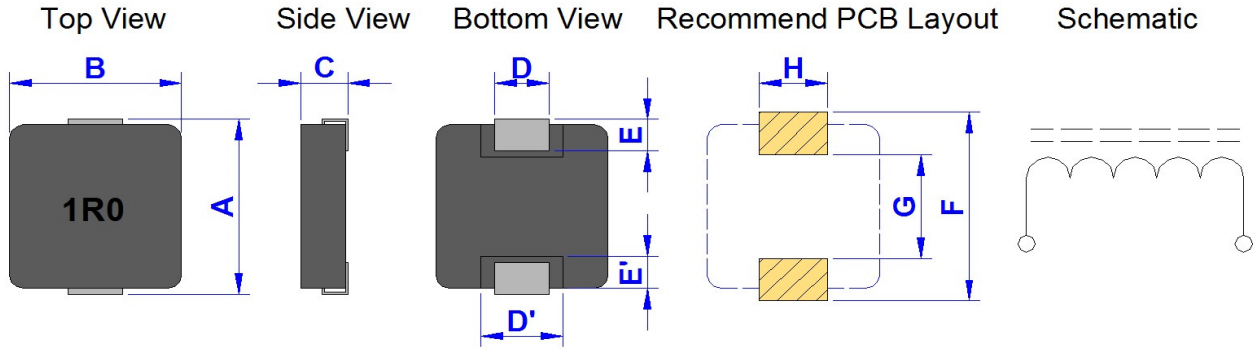
Current Characteristic :



Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC1040PL-SERIES

Dimension [mm] :



Size	A(±0.35)	B(±0.30)	C(±0.20)	D	D'	E	E'	F(Ref.)	G(Ref.)	H(Ref.)
1040PL	11.15	10	3.8	3.0+/-0.5	5.0+/-0.2	2.0+/-0.5	2.5+/-0.1	13.6	5.4	4.1

Electrical Characteristics :

Part No.	Inductance L(uH) +/- 20%	DCR (m Ohm)	Idc(Amp) [Typ.] / [Max.]	Isat (Amp) [Typ.] / [Max.]
GSTC1040PL-R22M	0.22	0.6 ± 7%	50.00/45.00	72.00/66.00
GSTC1040PL-R36M	0.36	0.76 ± 5%	43.00/38.00	53.00/45.00
GSTC1040PL-R45M	0.45	1.0 ± 7%	35.00/32.00	48.00/43.00
GSTC1040PL-R56M	0.56	1.4 ± 7%	34.00/31.00	38.00/35.00
GSTC1040PL-R68M	0.68	1.6 ± 7%	31.00/28.00	34.00/31.00
GSTC1040PL-R88M	0.88	2.3 ± 7%	27.00/24.00	33.00/28.50
GSTC1040PL-1R0M	1.00	2.3 ± 7%	25.00/22.50	32.00/28.00

* Test Condition@100KHz,1.0Vrms, 25°C Ambient

* Idc : DC current (A) that will cause an approximate ΔT of 40°C

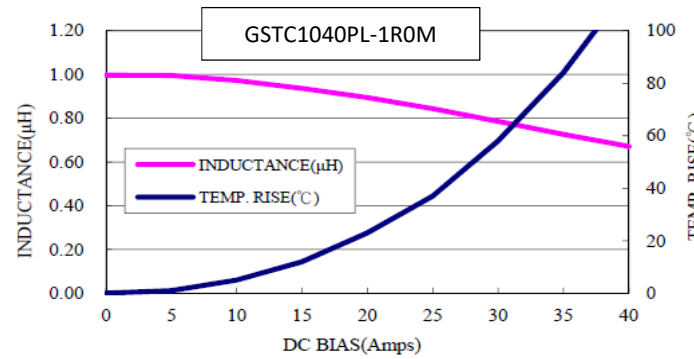
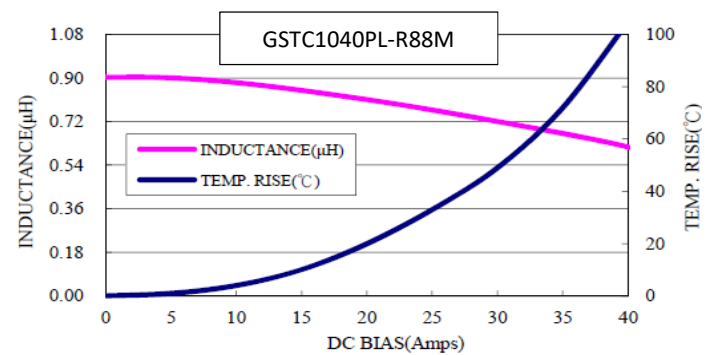
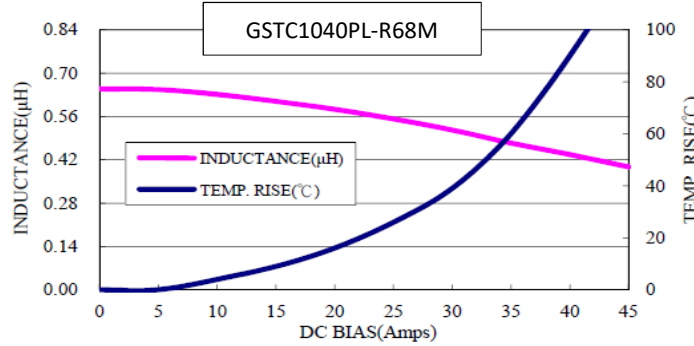
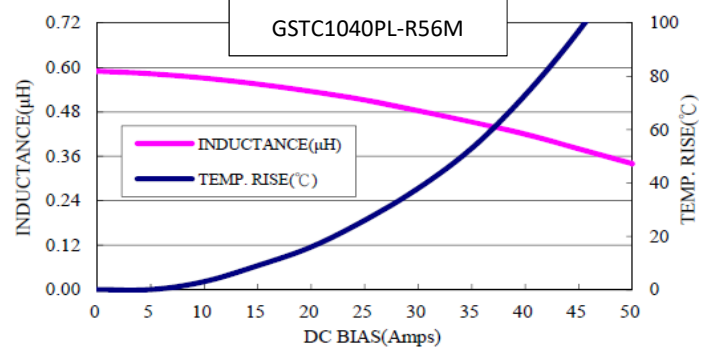
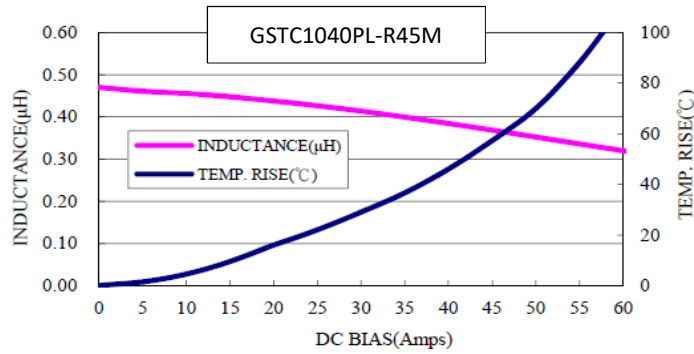
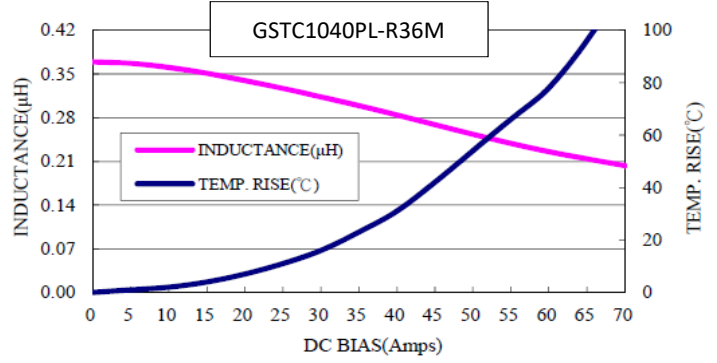
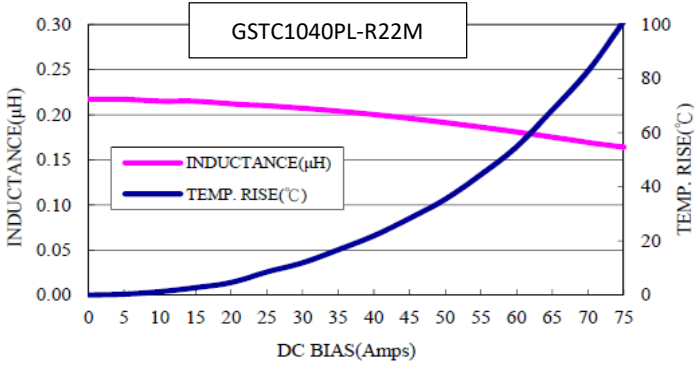
* Isat : DC current (A) that will cause L0 to drop approximately 30%

* Operating Temperature Range -55°C to +125°C

Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC1040PL-SERIES

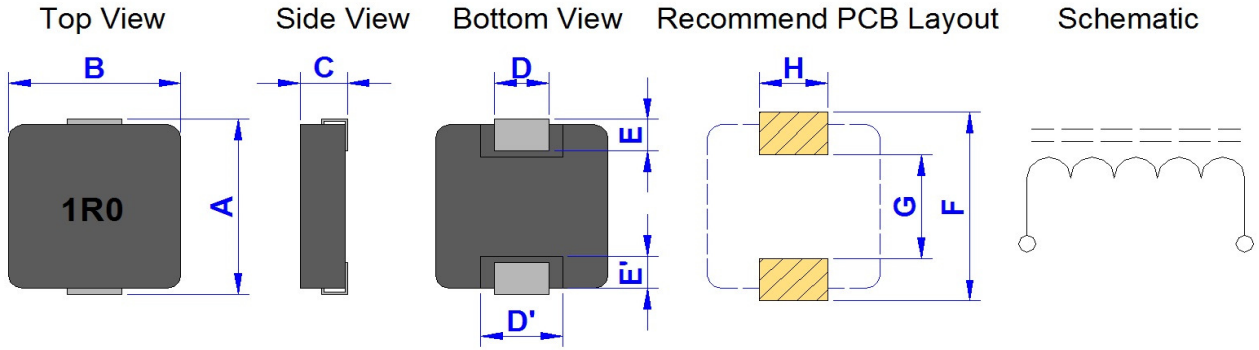
Current Characteristic :



Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC1040PS-SERIES

Dimension [mm] :



Size	A(±0.35)	B(±0.30)	C(±0.20)	D	D'	E	E'	F(Ref.)	G(Ref.)	H(Ref.)
1040PS-R22/R36/R56/R68/1R0/1R5	11.15	10	3.8	3.0+/-0.5	5.0+/-0.2	2.0+/-0.5	2.5+/-0.1	13.6	5.4	4.1
1040PS-2R2/3R3/4R7/5R6	10.85	10	3.8	3.0+/-0.5	5.0+/-0.2	2.0+/-0.5	2.5+/-0.1	13.6	5.4	4.1

Electrical Characteristics :

Part No.	Inductance L(uH) +/- 20%	DCR (m Ohm) [Typ.] / [Max.]	Idc(Amp) [Typ.] / [Max.]	Isat (Amp) [Typ.] / [Max.]
GSTC1040PS-R22M	0.22	0.85/0.95	40.00/35.00	90.00/75.00
GSTC1040PS-R36M	0.36	1.10/1.25	30.00/27.00	70.00/60.00
GSTC1040PS-R56M	0.56	1.60/1.80	25.00/22.00	45.00/40.00
GSTC1040PS-R68M	0.68	1.80/2.10	22.00/20.00	43.00/37.00
GSTC1040PS-1R0M	1.00	2.70/3.20	20.00/18.00	41.00/36.00
GSTC1040PS-1R5M	1.50	3.80/4.20	16.00/14.00	38.00/33.00
GSTC1040PS-2R2M	2.20	6.40/7.00	12.50/11.00	27.00/23.00
GSTC1040PS-3R3M	3.30	10.80/11.80	10.70/10.00	24.00/20.00
GSTC1040PS-4R7M	4.70	15.20/16.50	9.60/8.50	19.00/17.00
GSTC1040PS-5R6M	5.60	17.00/19.30	9.00/8.00	18.00/16.00

* Test Condition@100KHz,1.0Vrms, 25°C Ambient

* Idc : DC current (A) that will cause an approximate ΔT of 40°C

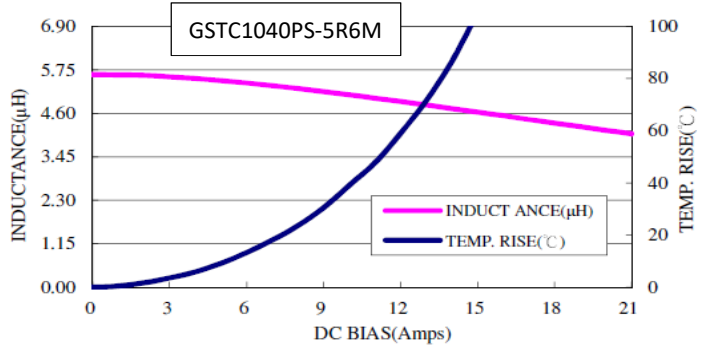
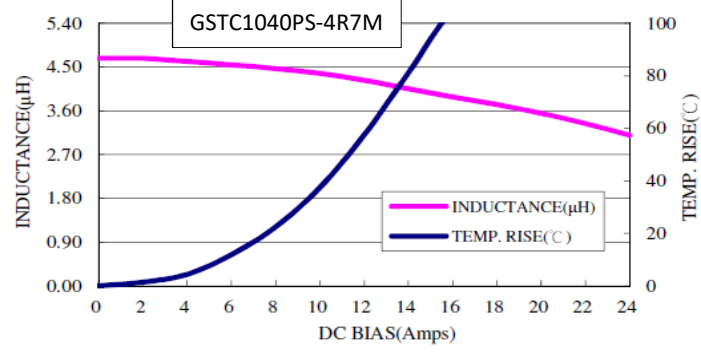
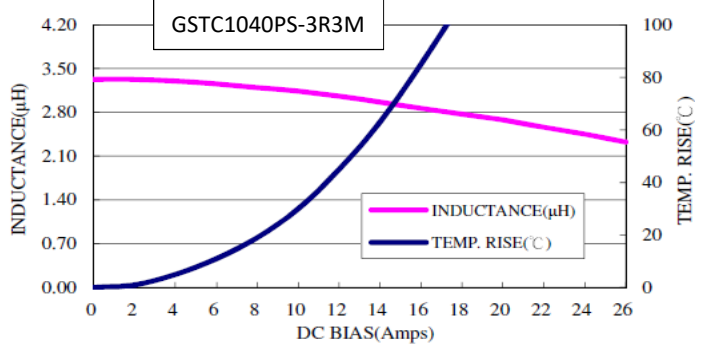
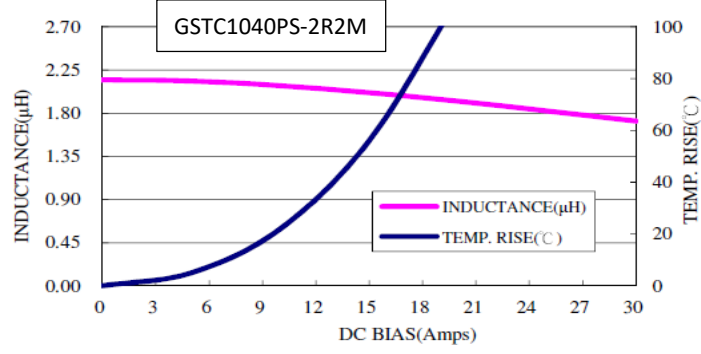
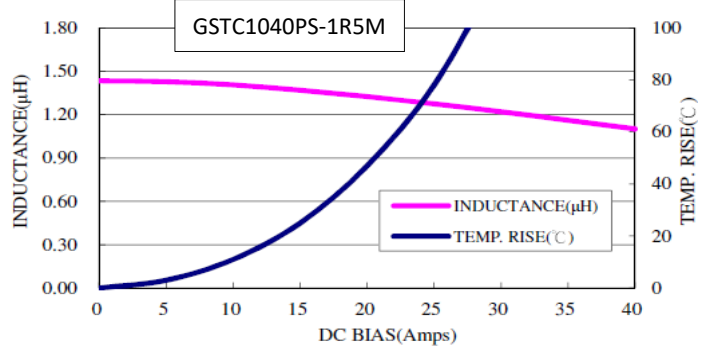
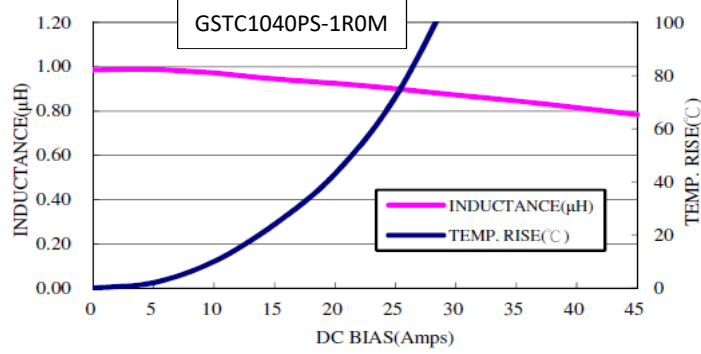
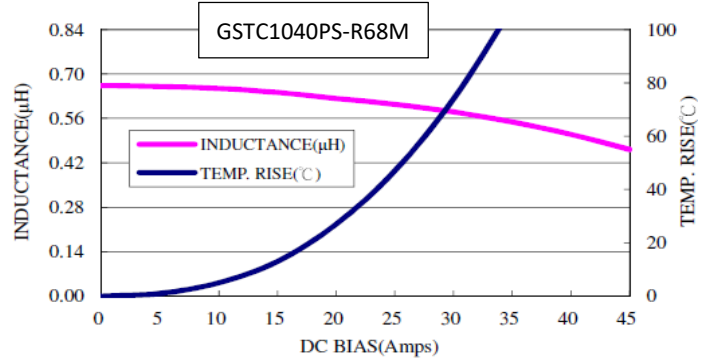
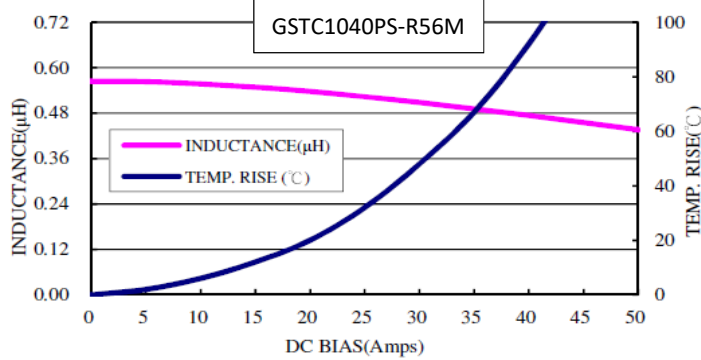
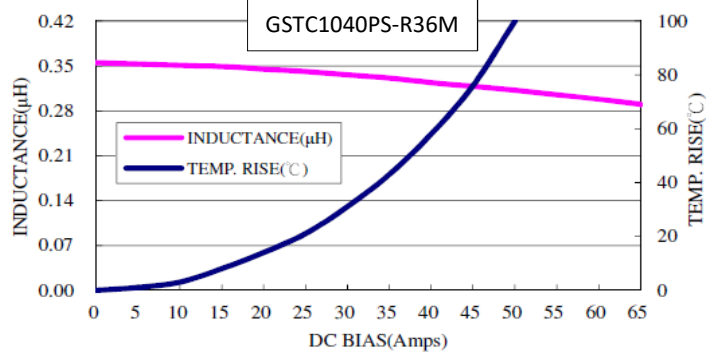
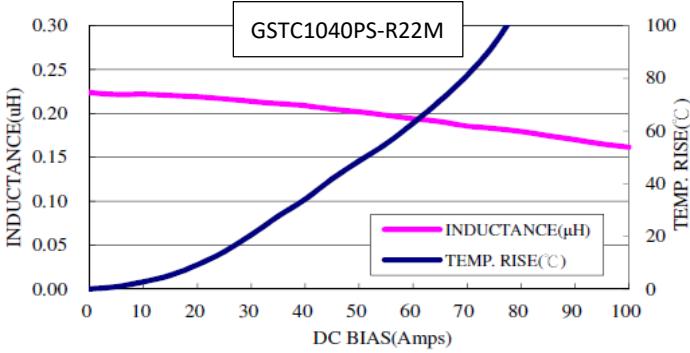
* Isat : DC current (A) that will cause L0 to drop approximately 30%

* Operating Temperature Range -55°C to +125°C

Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC1040PS-SERIES

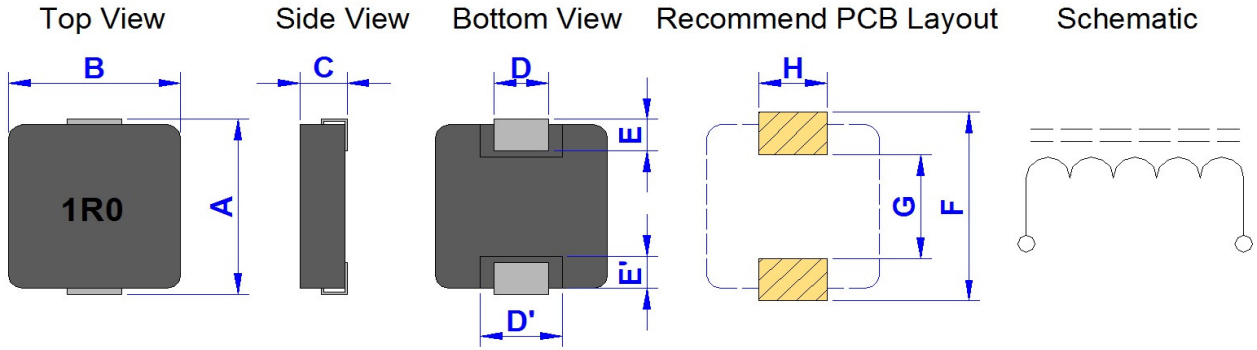
Current Characteristic :



Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC1045PE-SERIES

Dimension [mm] :



Size	A(±0.35)	B(±0.30)	C(±0.20)	D	D'	E	E'	F(Ref.)	G(Ref.)	H(Ref.)
1045PE	10.85	10	4.3	3.0+/-0.5	5.0+/-0.2	2.0+/-0.5	2.5+/-0.1	13.6	5.4	4.1

Electrical Characteristics :

Part No.	Inductance L(uH) +/- 20%	DCR (m Ohm) [Typ.] / [Max.]	Idc(Amp) [Typ.] / [Max.]	Isat (Amp) [Typ.] / [Max.]
GSTC1045PE-2R2M	2.20	5.80/6.90	14.00/12.00	18.00/16.00
GSTC1045PE-4R7M	4.70	13.00/15.00	11.00/10.00	15.00/13.00
GSTC1045PE-6R8M	6.80	20.00/24.00	8.00/7.00	12.00/9.50

* Test Condition@100KHz,1.0Vrms, 25°C Ambient

* Idc : DC current (A) that will cause an approximate ΔT of 40°C

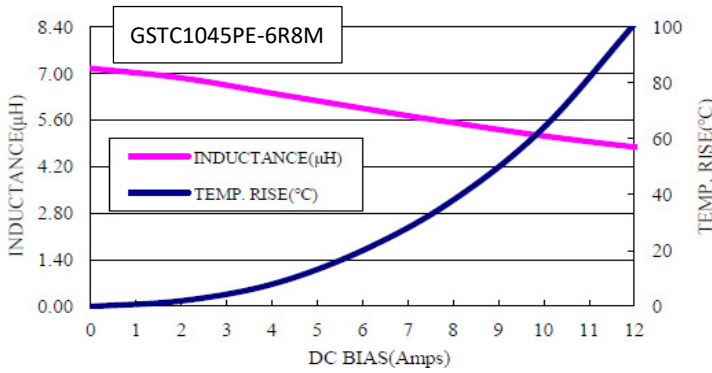
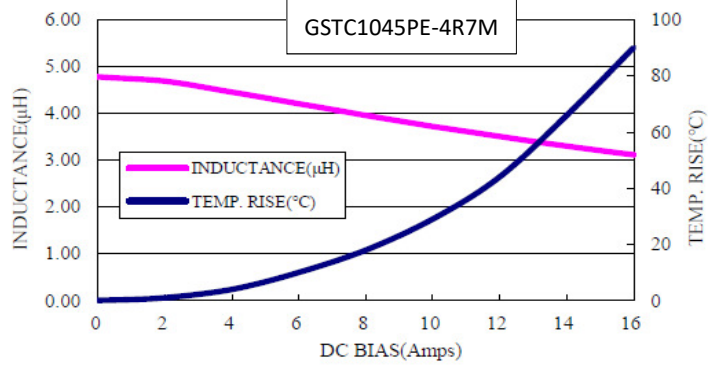
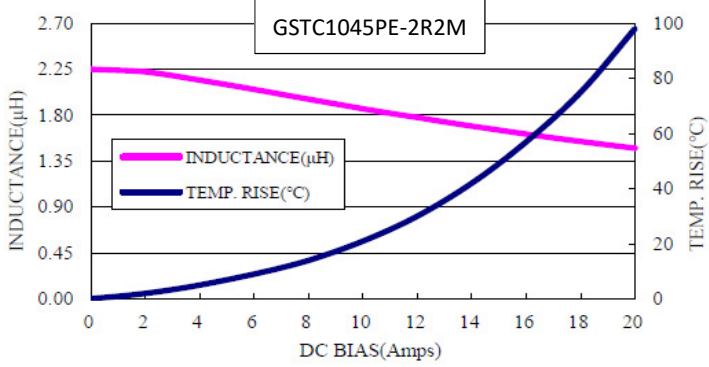
* Isat : DC current (A) that will cause L0 to drop approximately 30%

* Operating Temperature Range -55°C to +125°C

Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC1045PE-SERIES

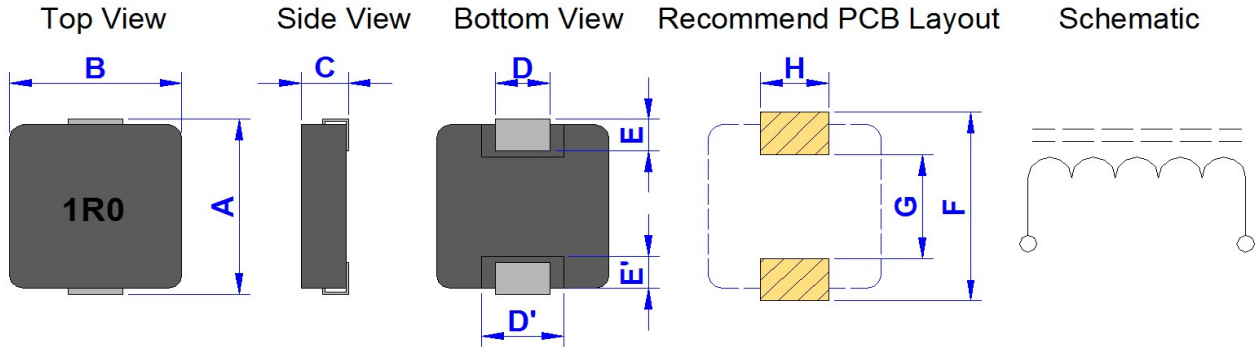
Current Characteristic :



Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC1235PE-SERIES

Dimension [mm] :



Size	A(±0.35)	B(±0.20)	C(±0.20)	D	D'	E	E'	F(Ref.)	G(Ref.)	H(Ref.)
1235PE-R33/R47/R68	13.45	12.6	3.3	4.0+/-0.5	6.0+/-0.2	2.0+/-0.5	2.5+/-0.1	14.5	8.0	5.0
1235PE-1R0	13.45	12.6	3.3	4.0+/-0.5	6.0+/-0.2	2.0+/-0.5	2.5+/-0.1	14.5	8.0	4.0
1235PE-1R5/2R2/3R3/4R7/6R8	13.45	12.6	3.3	3.0+/-0.5	6.0+/-0.2	2.0+/-0.5	2.5+/-0.1	14.5	8.0	4.0

Electrical Characteristics :

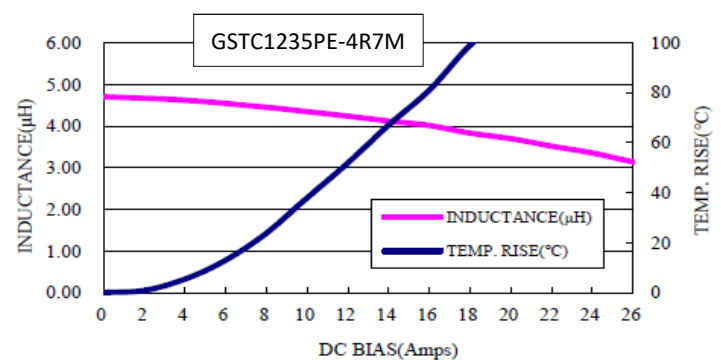
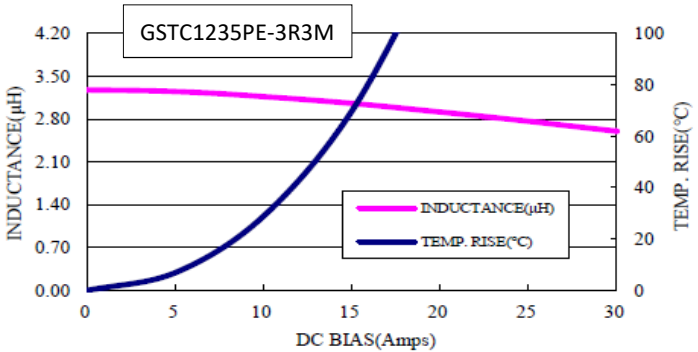
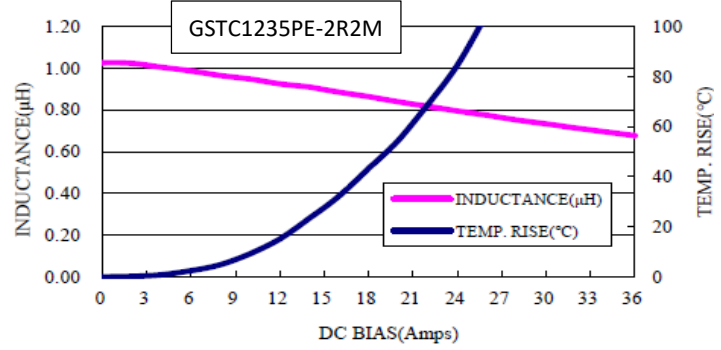
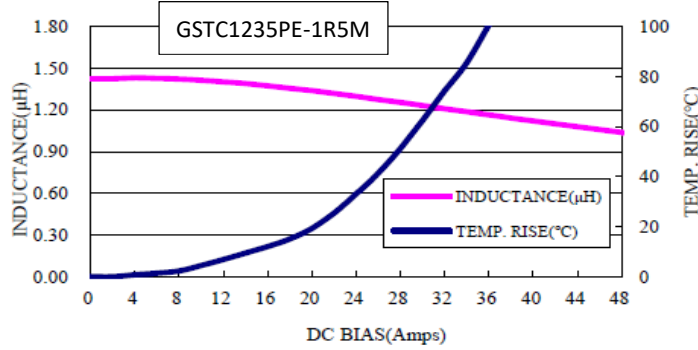
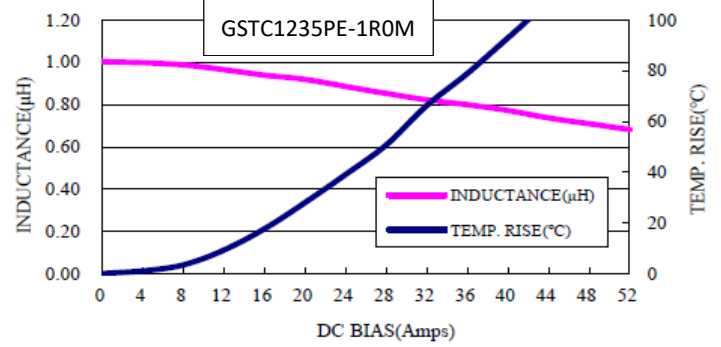
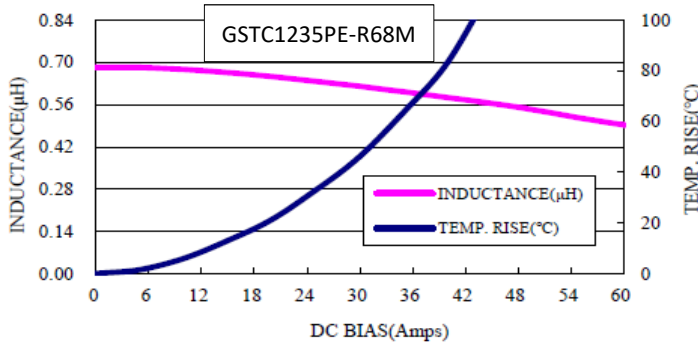
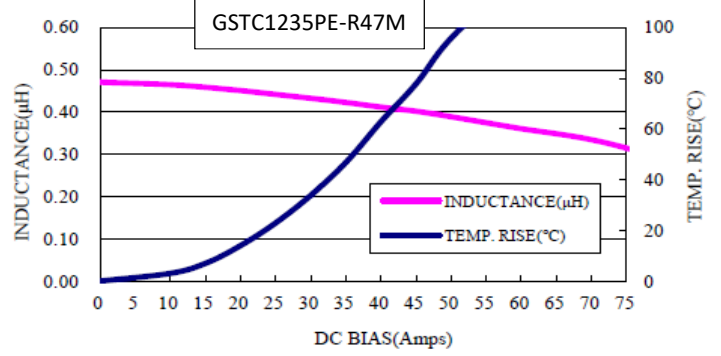
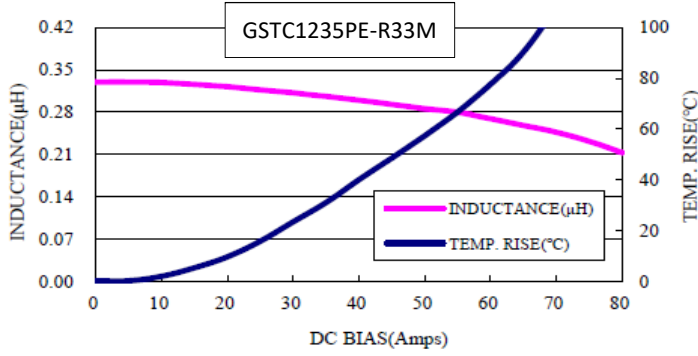
Part No.	Inductance L(uH) +/- 20%	DCR (m Ohm) [Typ.] / [Max.]	Idc(Amp) [Typ.] / [Max.]	Isat (Amp) [Typ.] / [Max.]
GSTC1235PE-R33M	0.33	1.30/1.50	36.50/33.00	74.00/64.00
GSTC1235PE-R47M	0.47	1.60/2.00	32.00/25.00	68.00/62.00
GSTC1235PE-R68M	0.68	2.20/2.40	28.00/23.00	57.00/49.00
GSTC1235PE-1R0M	1.00	3.28/3.50	24.00/21.00	50.00/40.00
GSTC1235PE-1R5M	1.50	4.60/5.40	19.00/17.00	40.00/34.00
GSTC1235PE-2R2M	2.20	7.00/8.10	16.20/14.60	31.00/27.00
GSTC1235PE-3R3M	3.30	9.50/11.50	12.00/10.80	30.00/26.00
GSTC1235PE-4R7M	4.70	15.80/17.80	9.10/8.20	23.00/19.80
GSTC1235PE-6R8M	6.80	21.70/26.00	7.80/7.00	17.40/14.90

- * Test Condition@100KHz,1.0Vrms, 25°C Ambient
- * Idc : DC current (A) that will cause an approximate ΔT of 40°C
- * Isat : DC current (A) that will cause L0 to drop approximately 30%
- * Operating Temperature Range -55°C to +125°C

Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC1235PE-SERIES

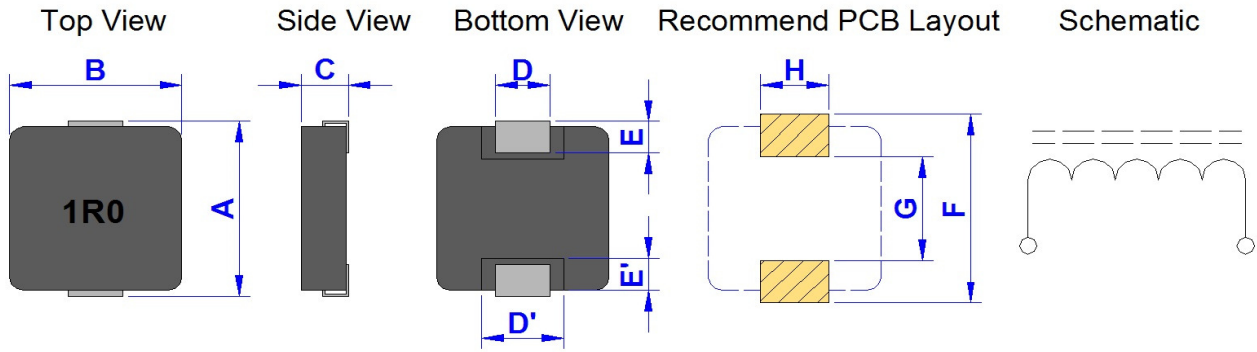
Current Characteristic :



Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC1250PT-SERIES

Dimension [mm] :



Size	A(±0.35)	B(±0.20)	C(±0.20)	D	D'	E	E'	F(Ref.)	G(Ref.)	H(Ref.)
1250PT-R47/R68/1R0	13.45	12.6	4.8	4.0+/-0.5	6.0+/-0.2	2.0+/-0.5	2.5+/-0.1	14.5	8.0	5.0
1250PT-2R2/3R3/4R7/100/150/220	13.45	12.6	4.8	3.0+/-0.5	6.0+/-0.2	2.0+/-0.5	2.5+/-0.1	14.5	8.0	5.0

Electrical Characteristics :

Part No.	Inductance L(uH) +/- 20%	DCR (m Ohm) [Typ.] / [Max.]	Idc(Amp) [Typ.] / [Max.]	Isat (Amp) [Typ.] / [Max.]
GSTC1250PT-R47M	0.47	0.95/1.10	37.00/33.30	55.00/47.40
GSTC1250PT-R68M	0.68	1.34/1.55	33.00/29.50	54.00/46.00
GSTC1250PT-1R0M	1.00	1.80/2.20	26.00/23.00	36.00/32.50
GSTC1250PT-2R2M	2.20	3.98/5.00	16.00/14.50	25.00/22.00
GSTC1250PT-3R3M	3.30	5.50/7.00	15.50/14.00	22.50/19.50
GSTC1250PT-4R7M	4.70	8.50/10.30	10.50/9.50	17.20/14.50
GSTC1250PT-100M	10.00	18.90/22.00	9.00/8.10	13.00/10.50
GSTC1250PT-150M	15.00	30.00/35.00	5.80/5.20	8.00/6.80
GSTC1250PT-220M	22.00	50.00/58.00	4.50/4.10	6.60/5.70

* Test Condition@100KHz,1.0Vrms, 25°C Ambient

* Idc : DC current (A) that will cause an approximate ΔT of 40°C

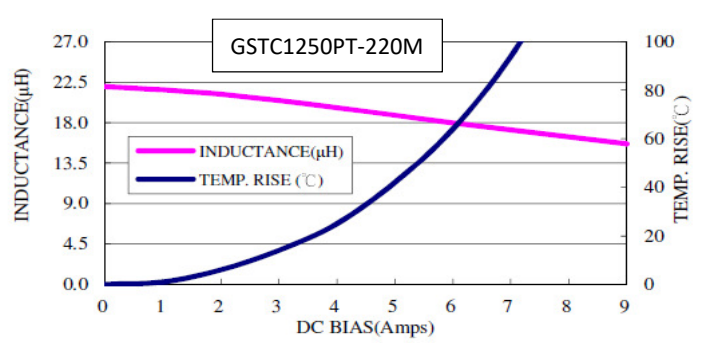
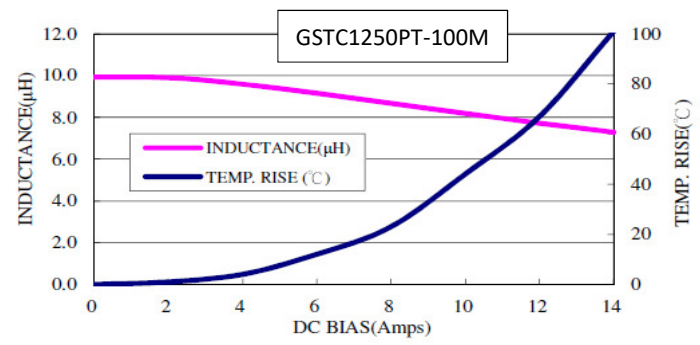
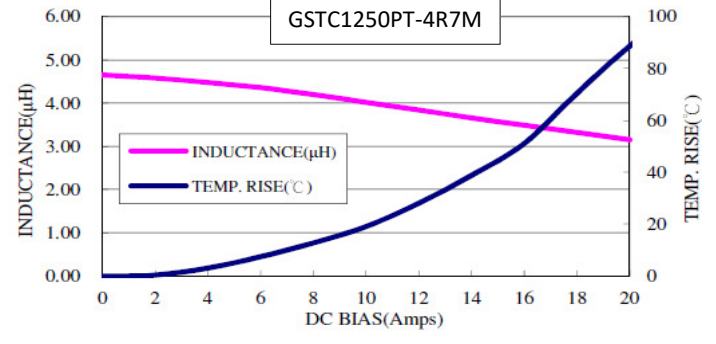
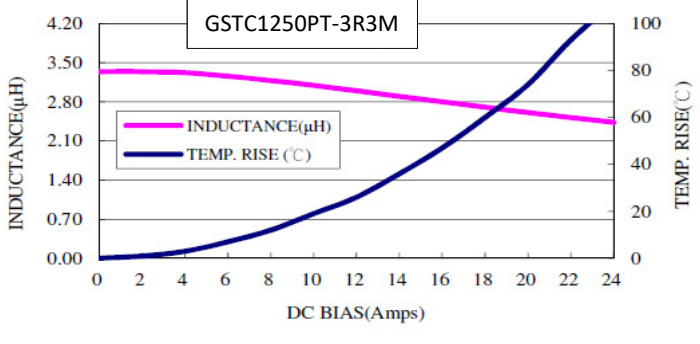
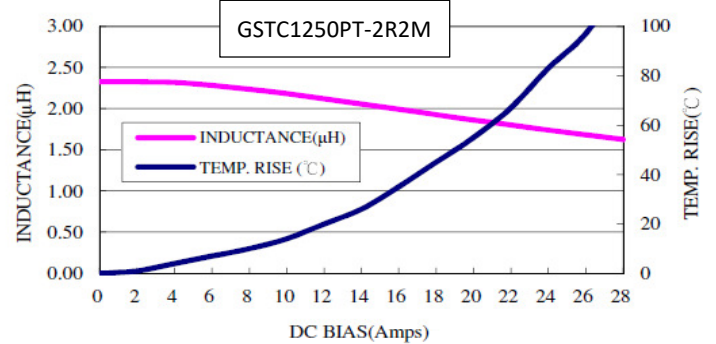
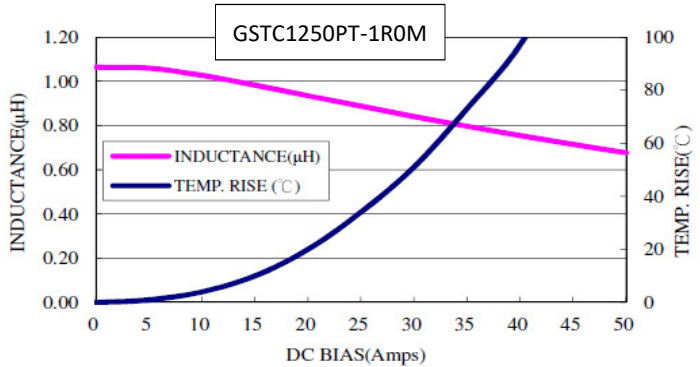
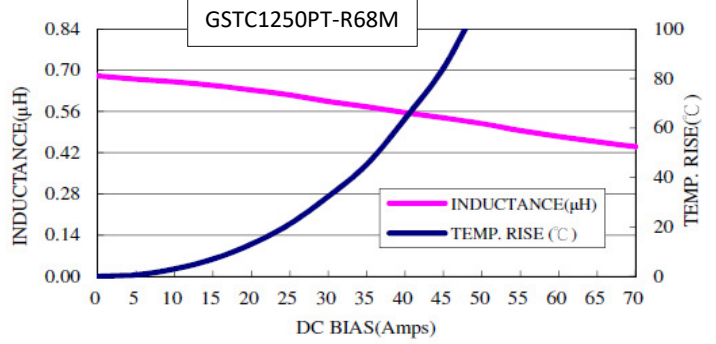
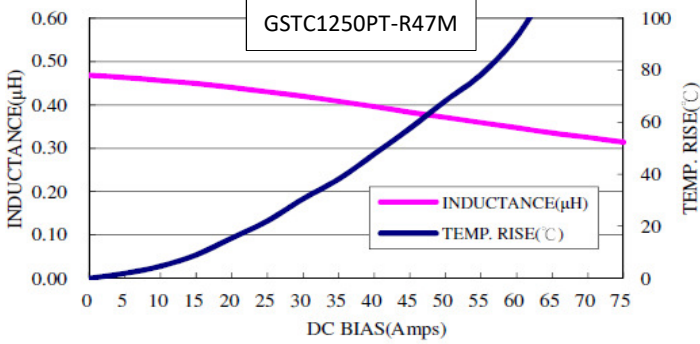
* Isat : DC current (A) that will cause L0 to drop approximately 30%

* Operating Temperature Range -55°C to +125°C

Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC1250PT-SERIES

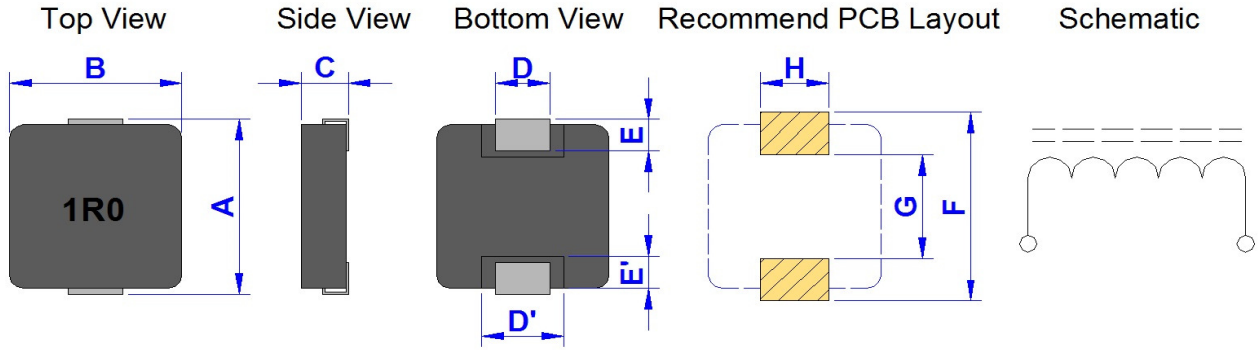
Current Characteristic :



Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC1350PT-SERIES

Dimension [mm] :



Size	A(±0.35)	B(±0.20)	C(±0.20)	D	D'	E	E'	F(Ref.)	G(Ref.)	H(Ref.)
1350PT-R47/R50/R56/R68/R82/1R0/1R2/1R5	13.45	12.6	4.8	4.0+/-0.5	6.0+/-0.2	2.0+/-0.5	2.5+/-0.1	14.5	8.0	5.0
1350PT-2R2/3R3/4R7/6R8	13.45	12.6	4.8	3.0+/-0.5	6.0+/-0.2	2.0+/-0.5	2.5+/-0.1	14.5	8.0	5.0

Electrical Characteristics :

Part No.	Inductance L(uH) +/- 20%	DCR (m Ohm) [Typ.] / [Max.]	Idc(Amp) [Typ.] / [Max.]	Isat (Amp) [Typ.] / [Max.]
GSTC1350PT-R47M	0.47	1.05/1.30	38.00/34.00	75.00/65.00
GSTC1350PT-R50M	0.50	1.15/1.50	36.00/32.00	73.00/63.00
GSTC1350PT-R56M	0.56	1.30/1.50	35.00/31.00	71.00/61.00
GSTC1350PT-R68M	0.68	1.48/1.70	34.00/30.00	70.00/60.00
GSTC1350PT-R82M	0.82	1.70/2.00	31.00/28.00	65.00/55.00
GSTC1350PT-1R0M	1.00	2.05/2.50	29.00/26.00	58.00/50.00
GSTC1350PT-1R2M	1.20	2.60/3.00	25.00/22.00	52.00/44.00
GSTC1350PT-1R5M	1.50	3.30/4.10	23.50/20.50	49.00/38.00
GSTC1350PT-2R2M	2.20	4.50/5.20	20.00/18.50	36.00/32.00
GSTC1350PT-3R3M	3.30	7.50/8.60	15.00/13.50	33.00/28.40
GSTC1350PT-4R7M	4.70	12.50/15.00	12.20/10.80	28.00/23.00
GSTC1350PT-6R8M	6.80	15.00/18.50	11.00/9.00	23.00/20.00

* Test Condition@100KHz, 1.0Vrms, 25°C Ambient

* Idc : DC current (A) that will cause an approximate ΔT of 40°C

* Isat : DC current (A) that will cause L0 to drop approximately 30%

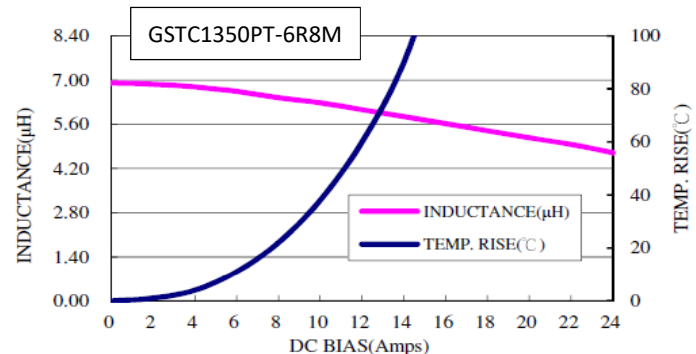
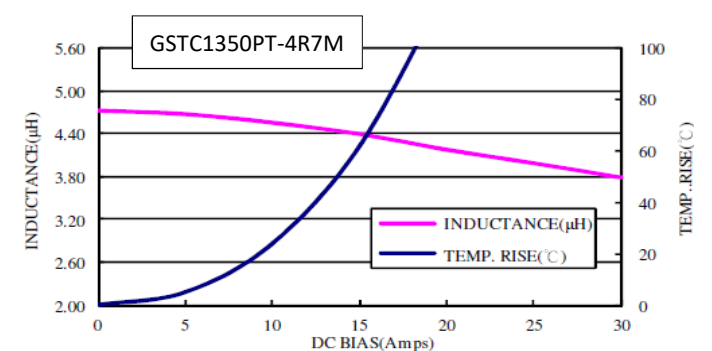
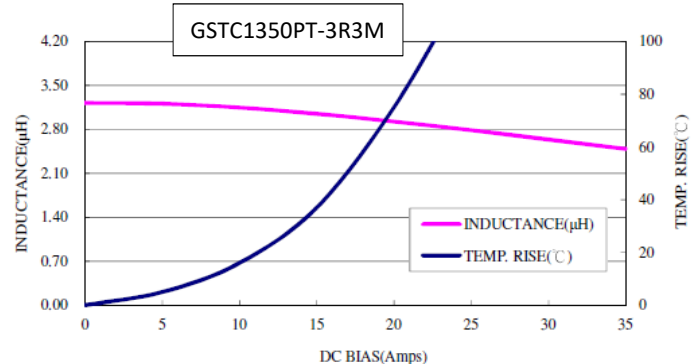
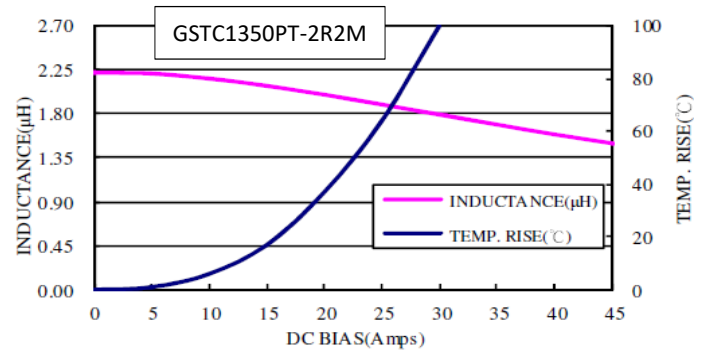
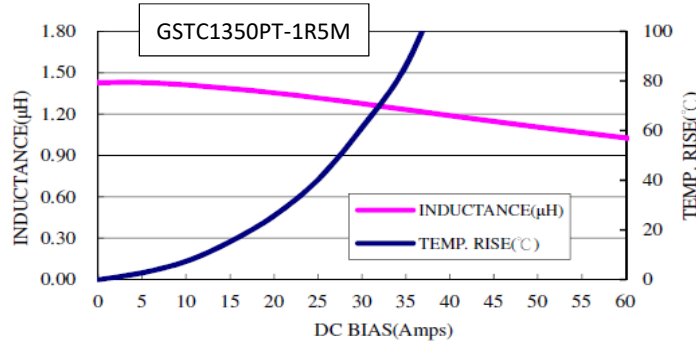
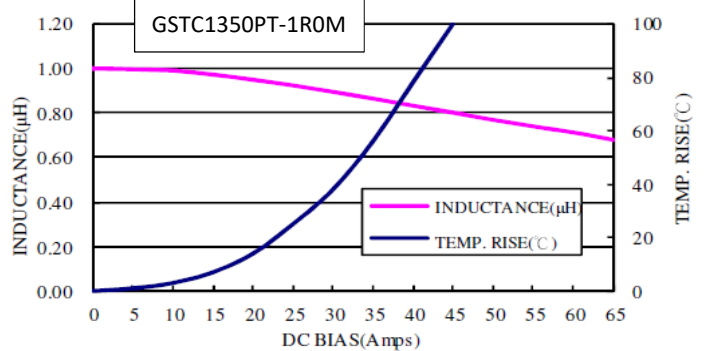
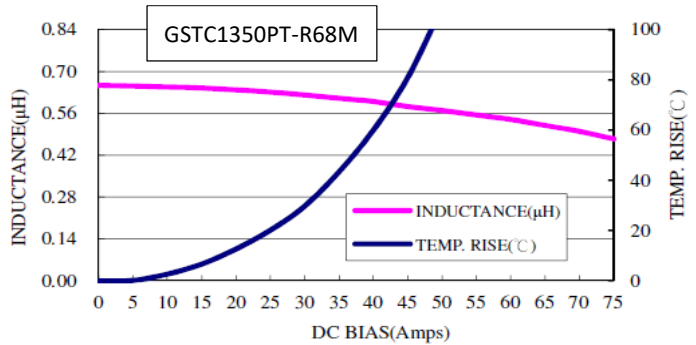
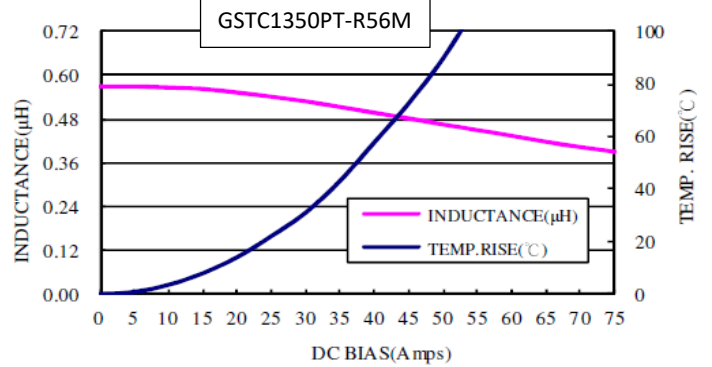
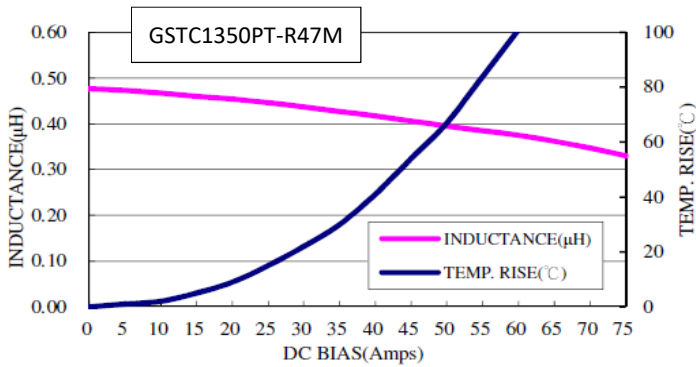
* Operating Temperature Range -55°C to +125°C

Product Series :	GSTC
File Version :	GSTC-SERIES-V7R2
Established Date :	2009.09.01
Latest Edit Date :	2023.04.20

Brand :	GOTREND
Editor :	Qiuyi Wu
Description :	High Current Inductor
Product Type :	<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GSTC1350PT-SERIES

Current Characteristic :



Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

Care note :

Care note for Use :

(1) Storage Condition :

Temperature 25 to 35 deg.C , Humidity 45 to 60% RH

(2) Use Temperature :

- a. Minimum Temperature : -40 deg.C Ambient temperature of this product.
- b. Maximum Temperature : +125 deg.C The value of temperature including ambient and temperature rise of this product.
- c. Reliability test temperature range from -40 ~ +125 deg.C
- 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 :

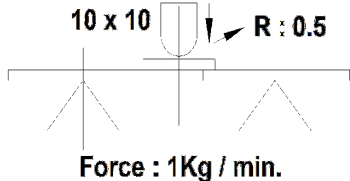
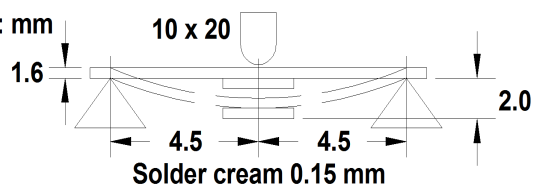
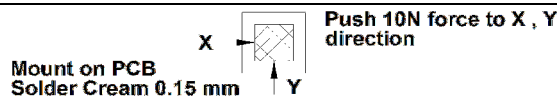
If this product is potted in some compound, coating material of magnet wire might be occasionally damaged. Please ask us if you intend to pot this product.

(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.

Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

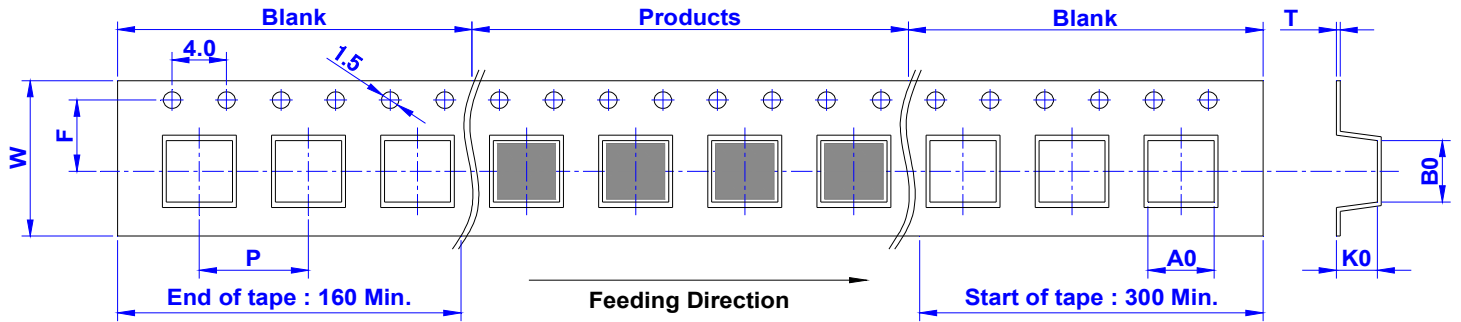
Reliability :

SN	Test Item	Test Condition	Specification												
1	Dimension	Actual Size ...	Meet Spec												
2	Thermal Shock (Temperature Cycle)	Temperature : -40 ~ +125 deg.C 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 deg.C, Test Time : 96 ± 2 Hours	Elec. no variation Appearance no deformation												
4	High Temperature	Temperature : 125 ± 2 deg.C Testing Time : 96 ± 2 Hours	Elec. no variation Appearance no deformation												
5	Low Temperature	Temperature : -40 ± 2 deg.C Time : 96 ± 2 Hours	Elec. no variation Appearance no deformation												
6	Temperature and Humidity Cycle	<table border="1"> <thead> <tr> <th>Temperature</th> <th>Humidity</th> <th>Time</th> </tr> </thead> <tbody> <tr> <td>25 deg.C</td> <td>90% ~ 95% RH</td> <td>3.0 Hr</td> </tr> <tr> <td>55 deg.C</td> <td>95% ~ 96% RH</td> <td>5.0 Hr</td> </tr> <tr> <td>25 deg.C</td> <td>90% ~ 95% RH</td> <td>3.0 Hr</td> </tr> </tbody> </table>	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	Elec. no variation Appearance no deformation
		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															
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	<p>Unit : mm</p>  <p>Force : 1Kg / min.</p>	Elec. no variation Appearance no deformation												
12	Flexure Strength	<p>Unit : mm</p>  <p>Solder cream 0.15 mm</p>	Elec. no variation Appearance no deformation												
13	Terminal Strength	 <p>Mount on PCB Solder Cream 0.15 mm</p> <p>Push 10N force to X , Y direction</p>	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												

Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

Packaging Information :

Tape Dimension (mm) :

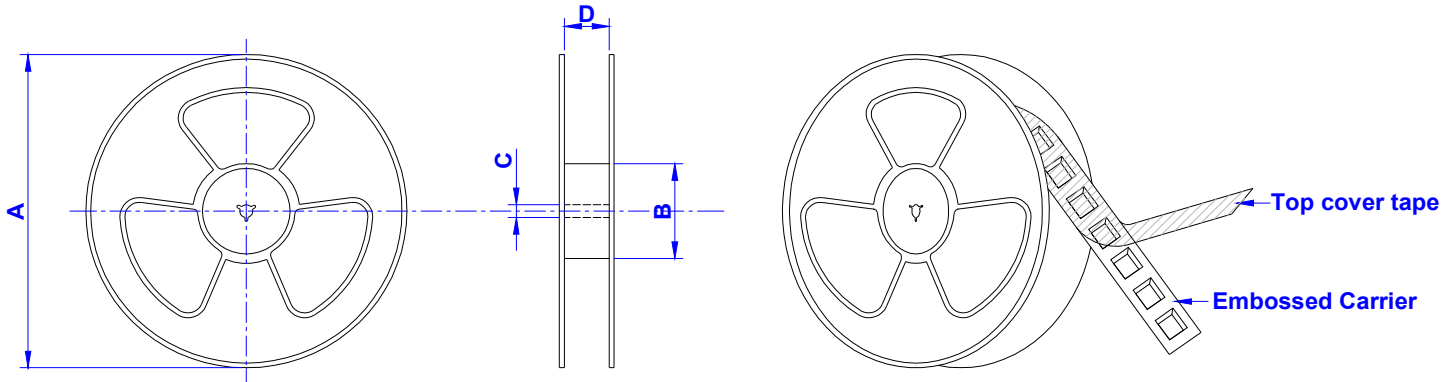


SIZE/mm	W	P	A0	B0	K0	T	F
201610	8.00	4.00	1.80	2.20	1.20	0.23	3.50
252012	8.00	4.00	2.27	2.74	1.40	0.23	3.50
042	12.00	8.00	4.20	4.50	2.50	0.30	5.50
053	16.00	12.00	5.20	5.50	3.75	0.30	7.50
061	16.00	12.00	7.00	7.50	2.55	0.30	7.50
063	16.00	12.00	7.00	7.50	3.60	0.30	7.50
064	16.00	12.00	7.00	7.50	4.50	0.30	7.50
104	24.00	16.00	10.60	12.00	4.50	0.35	11.50
133	24.00	16.00	13.50	14.20	3.85	0.35	11.50
135	24.00	16.00	13.50	14.20	5.20	0.35	11.50
4020PT	12.00	8.00	4.40	4.70	2.50	0.30	5.50
5018PH	12.00	8.00	5.60	5.90	2.30	0.35	5.50
6015PE	16.00	12.00	7.20	7.50	2.30	0.30	7.50
6018PH	16.00	12.00	7.20	7.50	2.30	0.30	7.50
6030PT	16.00	12.00	7.20	7.50	3.60	0.30	7.50
6040PT	16.00	12.00	7.20	7.80	4.30	0.35	7.50
1030PT	24.00	16.00	10.70	12.00	4.00	0.30	11.50
1040PB	24.00	16.00	10.70	12.00	4.50	0.35	11.50
1040PL	24.00	16.00	10.70	12.00	4.50	0.35	11.50
1040PS	24.00	16.00	10.70	12.00	4.50	0.35	11.50
1040PT	24.00	16.00	10.70	12.00	4.50	0.35	11.50
1045PE	24.00	16.00	10.70	12.00	5.00	0.35	11.50
1235PE	24.00	16.00	13.40	14.10	3.70	0.35	11.50
1250PT	24.00	16.00	13.40	14.10	5.10	0.35	11.50
1350PT	24.00	16.00	13.40	14.10	5.10	0.35	11.50

Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

Packaging Information :

Reel Dimension (mm) :

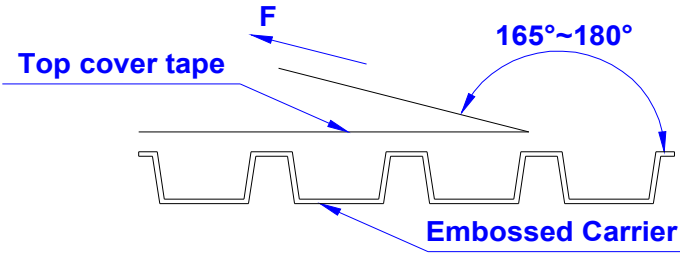


SIZE/mm	Reel Size	A	B	C	D	QTY / Reel
201610	7" x 8 mm	178	60	13	8.5	2000 PCS
252012	7" x 8 mm	178	60	13	8.5	2000 PCS
042	13" x 12 mm	330	100	13	12.5	2000 PCS
053	13" x 16 mm	330	100	13	16.5	1000 PCS
061	13" x 16 mm	330	100	13	16.5	1000 PCS
063	13" x 16 mm	330	100	13	16.5	1000 PCS
064	13" x 16 mm	330	100	21	16.5	1000 PCS
104	13" x 24 mm	330	100	13	24.5	500 PCS
133	13" x 24 mm	330	100	13	24.5	500 PCS
135	13" x 24 mm	330	100	13	24.5	500 PCS

Product Series : GSTC	Brand : GOTREND
File Version : GSTC-SERIES-V7R2	Editor : Qiuyi Wu
Established Date : 2009.09.01	Description : High Current Inductor
Latest Edit Date : 2023.04.20	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

Packaging Information :

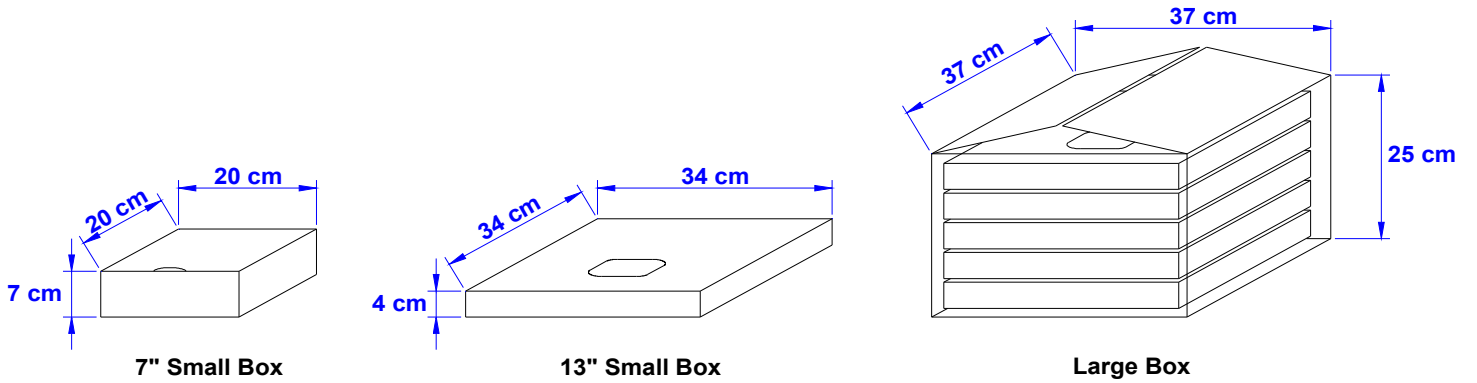
Tearing Off Force :



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 4.11 standard).

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

Box Package :



SIZE/mm	Reels in Small Box(QTY)	Small Box in Large Box(QTY)
201610	5(10000)	8(80000)
252012	5(10000)	8(80000)
042	2(4000)	5(20000)
053	1(1000)	5(5000)
061	1(1000)	5(5000)
063	1(1000)	5(5000)
064	2(2000)	5(10000)
104	1(500)	5(2500)
133	1(500)	5(2500)
135	1(500)	5(2500)