



<b>Product Series :</b> GSFM	<b>Brand :</b> GOTREND
<b>File Version :</b> GSFM-SERIES-V1R5	<b>Editor :</b> David Wang
<b>Established Date :</b> 2021.09.22	<b>Description :</b> High Current Inductor
<b>Latest Edit Date :</b> 2022.08.30	<b>Product Type :</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

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- ◆ This catalog contains only typical specifications, please contact GOTREND Technology for further details if you can not find special components or information you need in this catalogue. Please also approve our product specifications or transact the approval sheet for product specifications before ordering.
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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 :**

- \* Very low acoustic noise and very low leakage fluxnoise
- \* Soft saturation
- \* High current , low DCR , high efficiency
- \* 100% lead ( Pb ) free meet RoHS standard
- \* DC / DC converter for CPU in Notebook PC



( Picture for reference only )

**Part No. Example :**

PN	:	<b>GSFM</b>	<b>4020</b>	<b>P</b>	<b>L</b>	<b>1</b>	-	<b>1R0</b>	<b>M</b>
-----		-----	-----	---	---	---		-----	---
ID	:	1	2	3	4	5		6	7
1	:	GOTREND Series : GSFM							
2	:	Type Size Code : 4020 = 4.6 x 4.6 x 2.0 mm							
3	:	P = Pb free < 1000 ppm							
4	:	[ L ] : Low DCR electrical series							
5	:	[ 1 ] Material Code							
6	:	[ L ] Value : Inductance 1R0 = 1.0 uH							
7	:	[ L ] Tolerance : M = +/-20%							

**Basic Information :**

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

**Operating & Storage Condition :**

- \* Operating Temp -40 ~ +125 °C ( Including self - temperature rise )
- \* Storage Temp 1. -10 ~ +40 °C , 50 ~ 60% RH ( Product with taping )  
2. -40 ~ +125 °C ( On board )
- \* Storage Life Time 12 Month ( Less than 40 °C and 60% RH )

**Attention & Caution :**

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



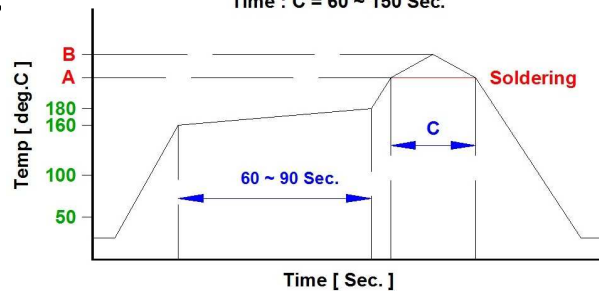
- \* Pin foot or SMD pad solderability: Pb free type is best within 6 months after delivery
- \* Humidity sensitive , IPC/JEDEC J-STD-020 MSL if over Level 1, recommend bake 30mins@150 degree before PCBA
- \* Caution for human life relative applications : PLS contact & consult with GOTREND team in design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

**Test Condition :**

- \* Equipment HP4284A , HP42841A - L , Q , DCR , IDC  
HP8753D Network analyzer - SRF
- \* Standard Atmosphere Conditions:  
Ambient Temperature 20 ± 15 °C  
Humidity RH 65 ± 20%
- \* If there may be any doubt on the test result ,  
Measurement shall be made within the following limits:  
Ambient Temperature 25 ± 5 °C  
Humidity RH 75 ± 10%

**Recommend IR Reflow Curve : GTX-IR-FILE001**

Lead Free Solder : A = 217 deg.C , B = 245+/-5 deg.C  
Time : C = 60 ~ 150 Sec.

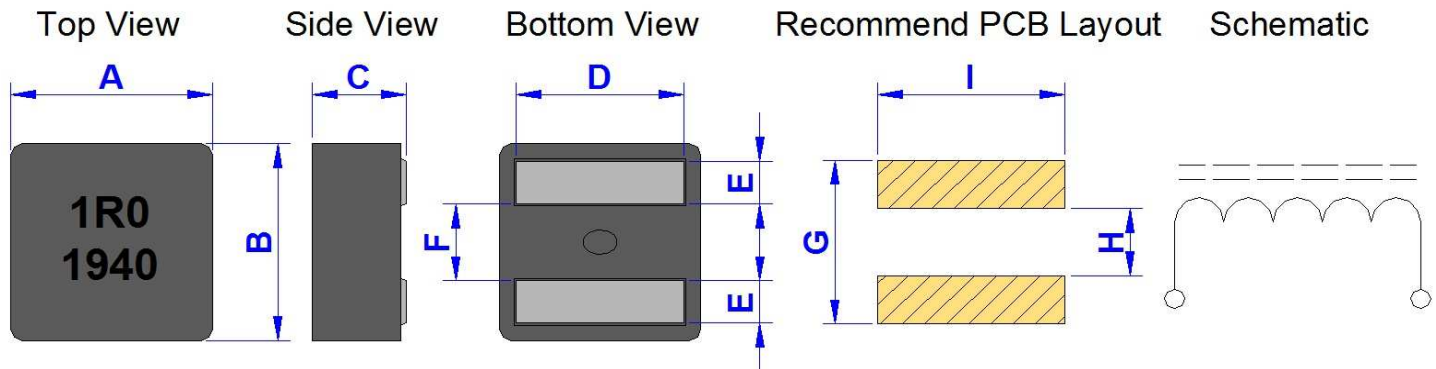


Notice : Iron Soldering , Solder < 30 Watt ,  
Direct touch the terminal x 3 Sec. Max. @ 350 deg.C

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### GSFM4020P-SERIES

#### Dimension [ mm ] :



#### Marking : A. Inductance code & Date code

( 1 ) Year ex. 2020 = 20

( 2 ) Weekly serial number 01 ~ 52

Size	A (+/-0.2)	B (+/-0.2)	C (+/-0.2)	D (+/-0.3)	E (+/-0.2)	F (+/-0.25)	G(Ref.)	H(Ref.)	I(Ref.)
4020	4.40	4.40	1.90	3.40	0.88	1.60	3.40	1.40	3.80

#### Electrical Characteristics :

Part No.	Inductance ( uH )	Inductance Tolerance	DCR ( m Ohm )		Isat ( A )		Irms ( A ) Typ.	
			Typ.	Max.	Typ.	Max.	20°C	40°C
GSFM4020P-R10M	0.10	M	2.20	2.42	38.0	33.0	13.5	18.0
GSFM4020P-R22M	0.22	M	4.10	4.60	19.5	18.8	13.0	16.8
GSFM4020P-R33M	0.33	M	5.00	5.50	18.0	16.5	12.0	15.5
GSFM4020P-R36M	0.36	M	5.60	6.30	17.0	15.0	11.0	14.5
GSFM4020P-R40M	0.40	M	6.90	7.73	15.5	13.5	10.0	14.0
GSFM4020P-R47M	0.47	M	7.80	8.58	14.5	13.0	9.0	12.5
GSFM4020P-R56M	0.56	M	8.40	9.30	14.0	12.6	8.5	12.0
GSFM4020P-R60M	0.60	M	8.60	9.52	13.7	12.3	8.0	11.7
GSFM4020P-R72M	0.72	M	10.40	11.60	12.0	10.6	7.6	10.5
GSFM4020P-1R0M	1.00	M	13.30	14.60	9.6	8.8	6.8	9.6
GSFM4020P-1R2M	1.20	M	16.20	17.90	9.0	7.8	6.6	9.0
GSFM4020P-1R5M	1.50	M	21.00	23.50	8.0	7.4	5.8	7.6
GSFM4020P-1R8M	1.80	M	25.00	28.00	7.5	7.0	5.2	7.0

\* Test Condition @100KHz , 0.1Vrms , 25°C Ambient

\* Inductance Tolerance : M = +/-20%

\* Irms : Rated Current Loading when temperature rise approximately 40°C

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

\* The part temperature (ambient + temp rise) should not exceed 125°C under worst case operating conditions. Circuit design, component, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.

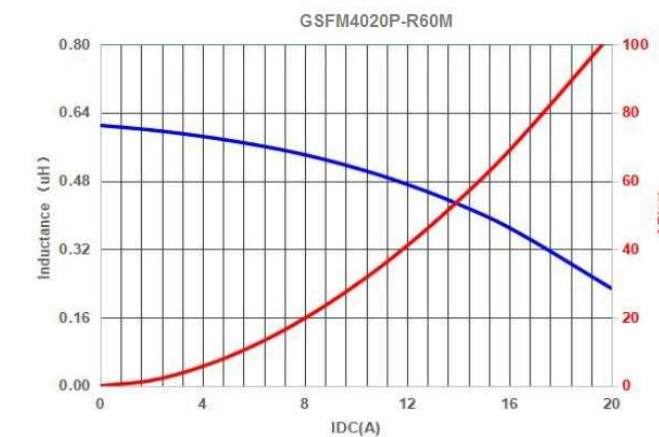
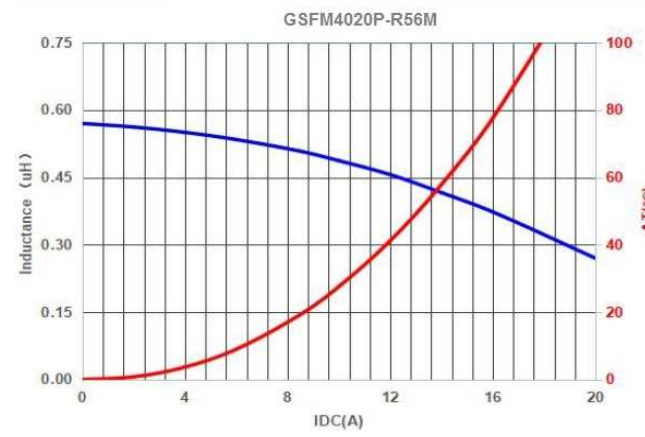
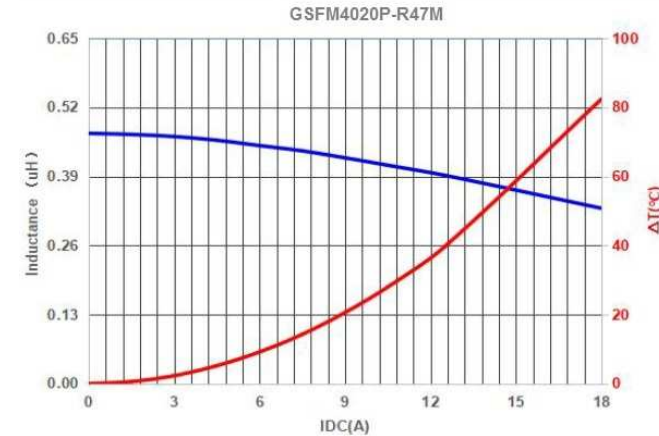
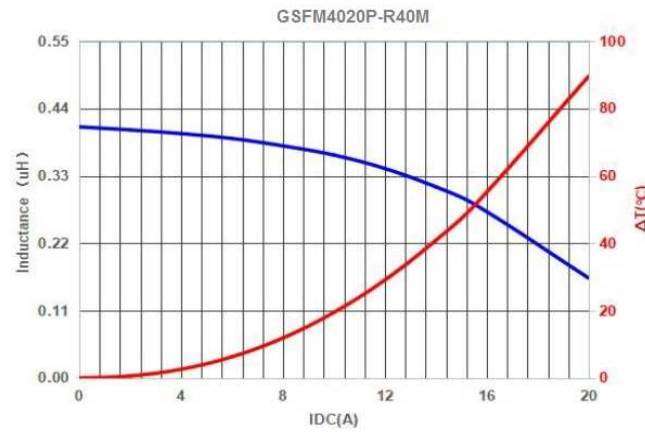
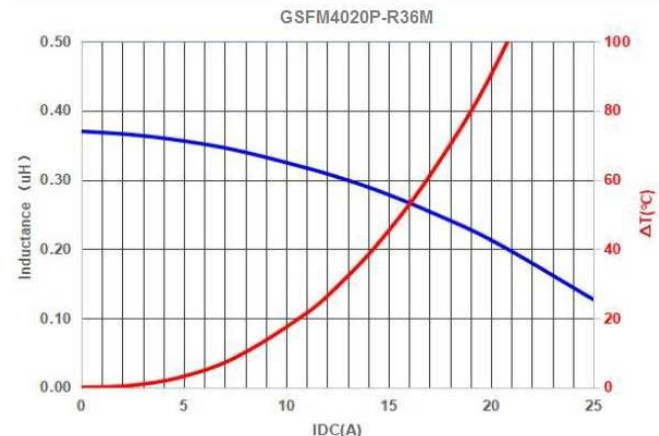
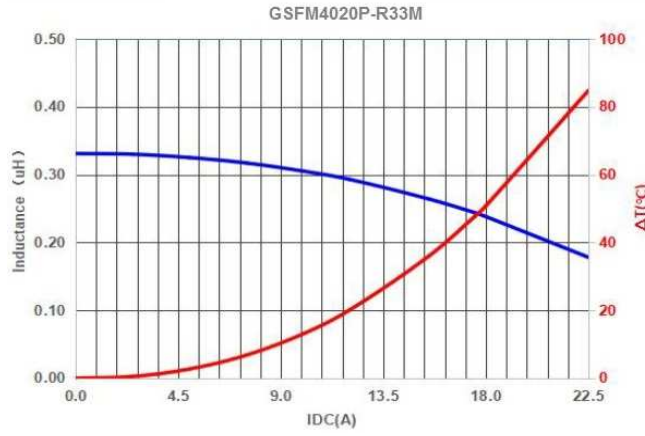
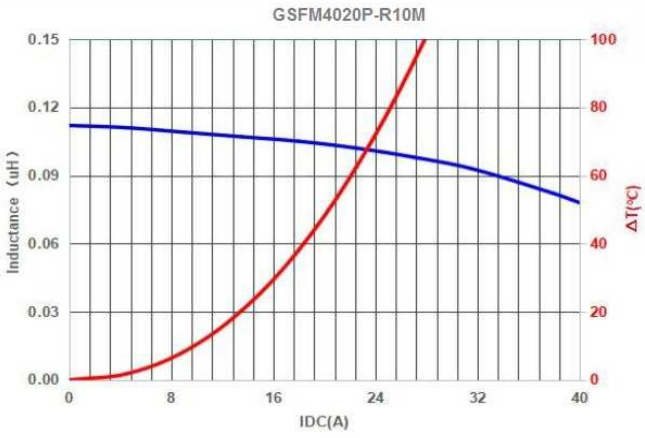
\* Rated operating voltage(across inductor) 15V ref ( 1.5uH and above ) .

Rated operating voltage(across inductor) 40V ref ( 1.2uH and below).

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## GSFM4020P-SERIES

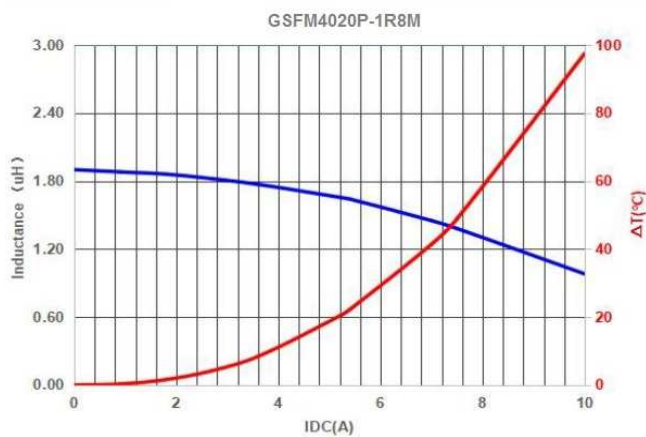
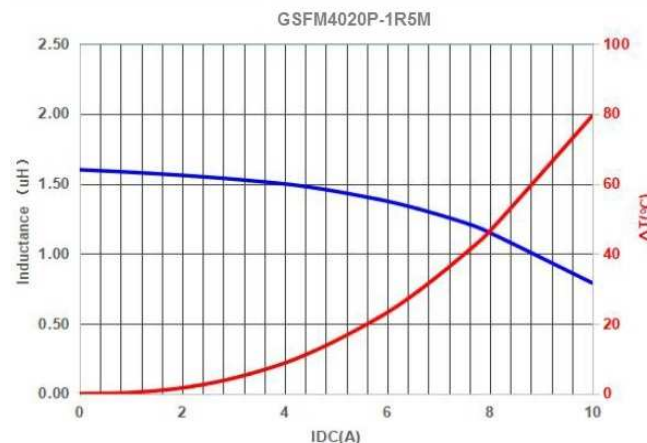
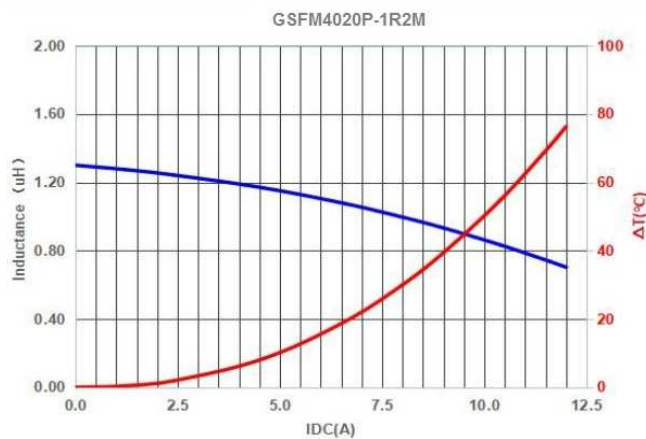
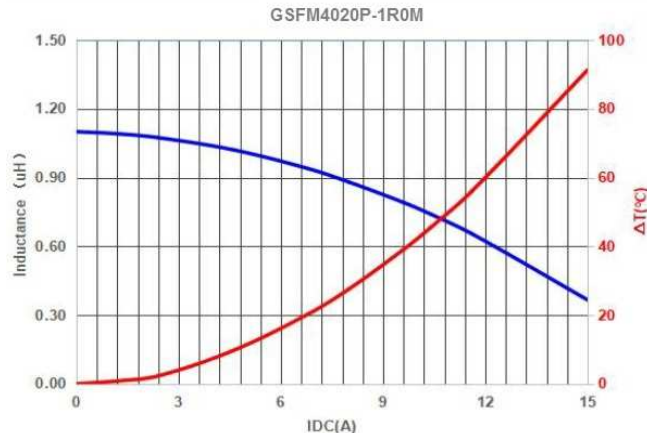
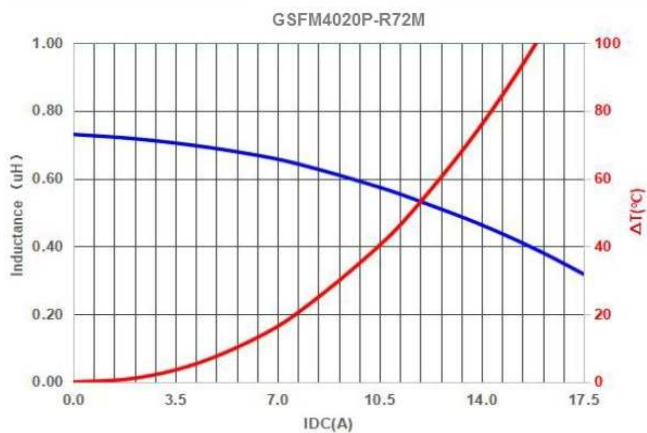
### Typical Performance Curves :



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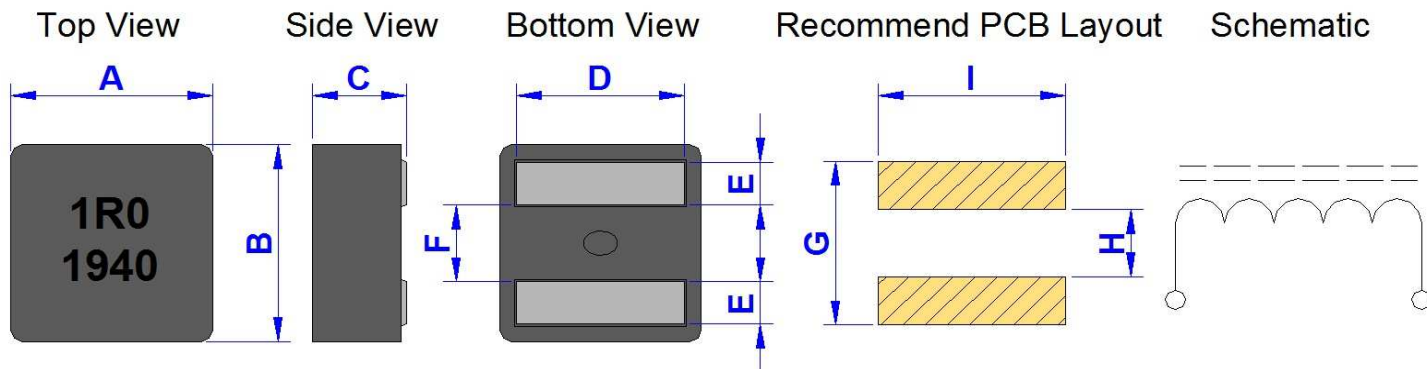
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### GSFM4020PL-SERIES

Dimension [ mm ] :



Marking : A. Inductance code & Date code

( 1 ) Year ex. 2020 = 20

( 2 ) Weekly serial number 01 ~ 52

Size	A (+/-0.2)	B (+/-0.2)	C (+/-0.2)	D (+/-0.3)	E (+/-0.2)	F (+/-0.25)	G(Ref.)	H(Ref.)	I(Ref.)
4020	4.40	4.40	1.90	3.40	0.88	1.60	3.40	1.40	3.80

Electrical Characteristics :

Part No.	Inductance ( uH )	Inductance Tolerance	DCR ( m Ohm )		Isat ( A )				I <sub>rms</sub> ( A ) Typ.	
			Typ.	Max.	Typ.(1)	Typ.(2)	Typ.(3)	Max.	20°C	40°C
GSFM4020PL-R47M	0.47	M	6.00	6.80	7.0	10.0	14.0	12.5	9.8	13.2
GSFM4020PL-R56M	0.56	M	6.90	7.80	6.0	9.0	13.0	11.3	9.5	12.6
GSFM4020PL-R60M	0.60	M	6.90	7.80	5.8	8.8	12.8	11.1	9.4	12.4
GSFM4020PL-R68M	0.68	M	7.30	8.20	5.2	8.0	11.6	10.0	9.2	12.0
GSFM4020PL-R82M	0.82	M	8.60	9.50	4.8	6.5	10.2	9.0	8.5	11.5
GSFM4020PL-1R0M	1.00	M	10.60	11.70	4.5	5.4	9.2	8.0	8.0	11.0
GSFM4020PL-1R2M	1.20	M	12.20	13.40	4.3	5.0	8.6	7.5	7.2	9.5
GSFM4020PL-1R5M	1.50	M	14.40	15.80	4.1	4.5	7.5	6.7	6.7	9.1
GSFM4020PL-2R0M	2.00	M	21.15	23.30	3.2	4.0	6.2	5.0	6.2	8.2
GSFM4020PL-2R2M	2.20	M	21.35	23.50	3.1	3.8	6.0	4.8	6.0	8.0

\* Test Condition @100KHz , 0.1V<sub>rms</sub> , 25°C Ambient

\* Inductance Tolerance : M = +/-20%

\* I<sub>rms</sub> : Rated Current Loading when temperature rise approximately 40°C

\* Isat - Typ.(1) : Saturated Current measured at the point of L drop approximately 10%

Isat - Typ.(2) : Saturated Current measured at the point of L drop approximately 20%

Isat - Typ.(3) : Saturated Current measured at the point of L drop approximately 30%

\* The part temperature (ambient + temp rise) should not exceed 125°C under worst case operating conditions. Circuit design, component, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.

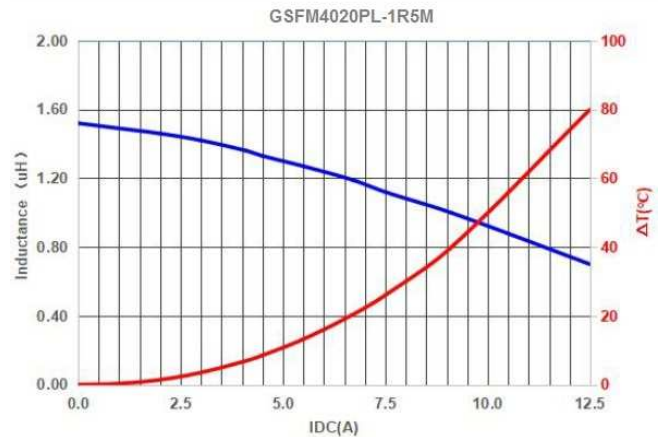
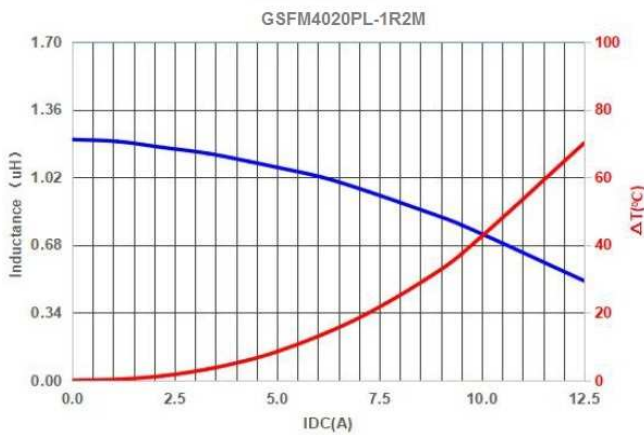
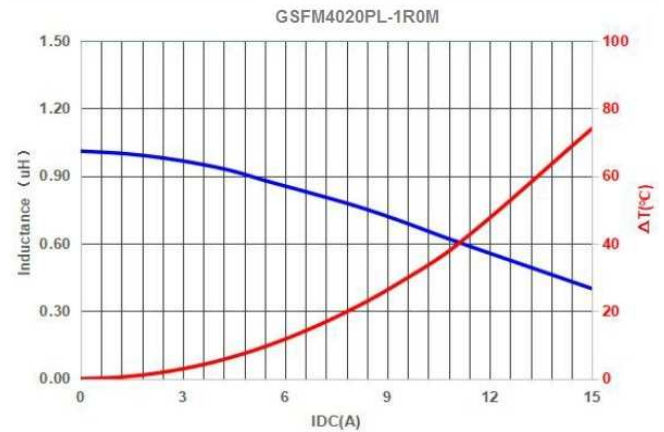
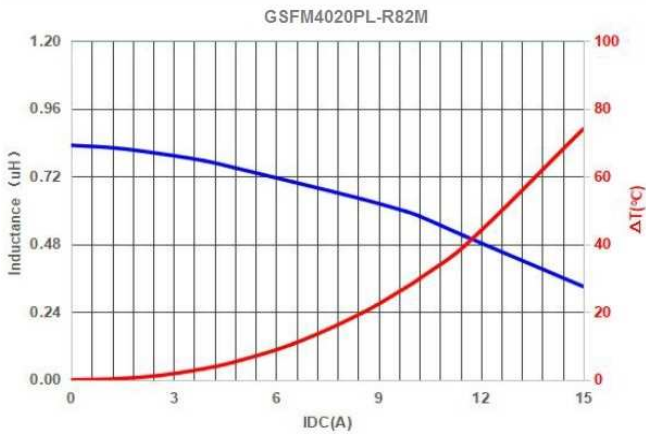
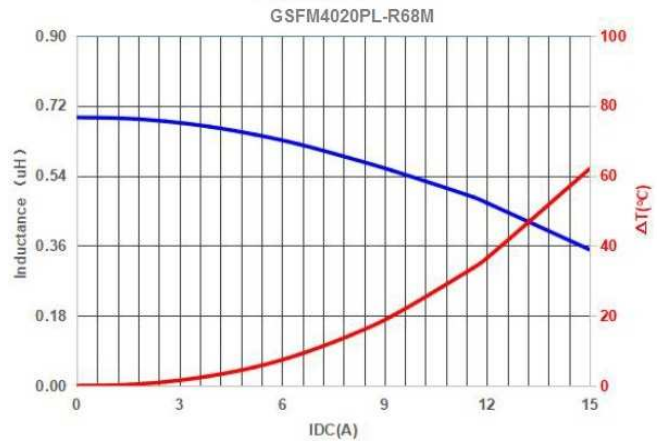
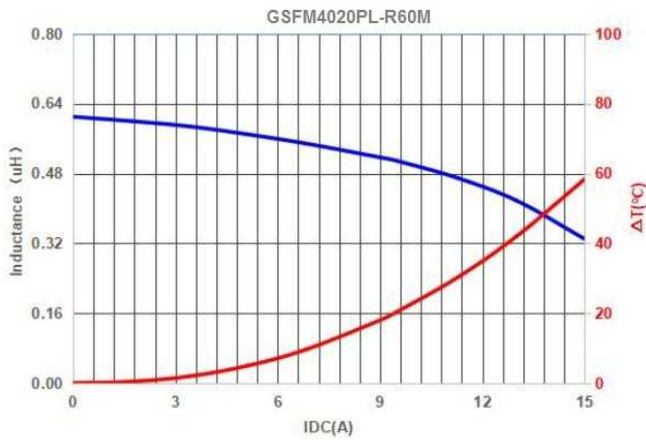
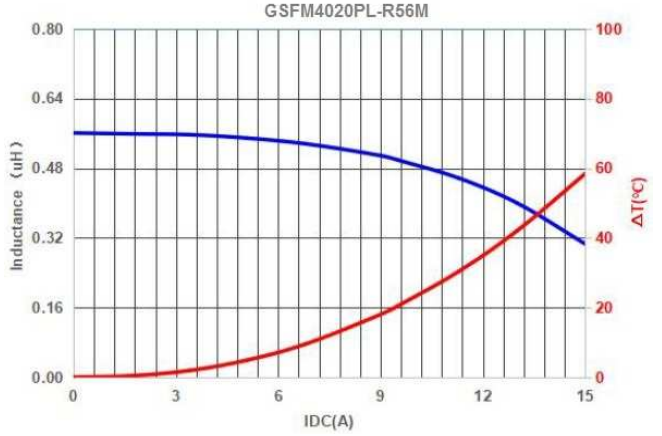
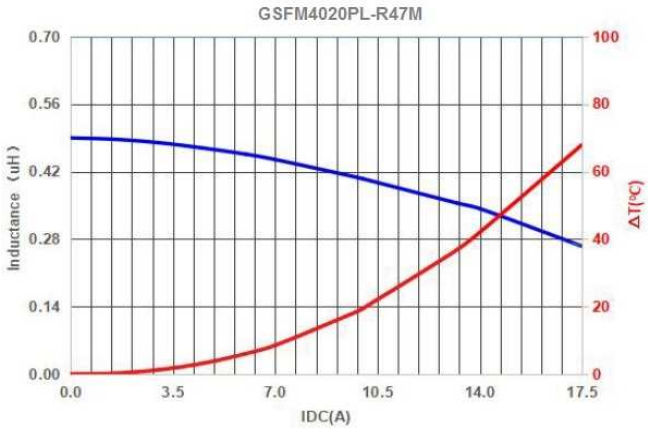
\* Rated operating voltage(across inductor)15V ref.

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## GSFM4020PL-SERIES

### Typical Performance Curves :

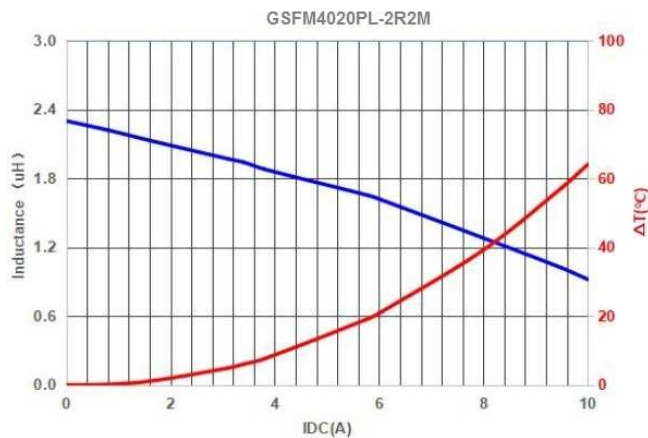
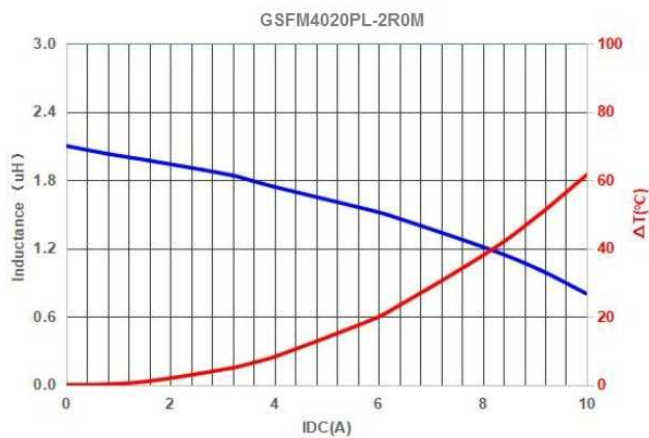




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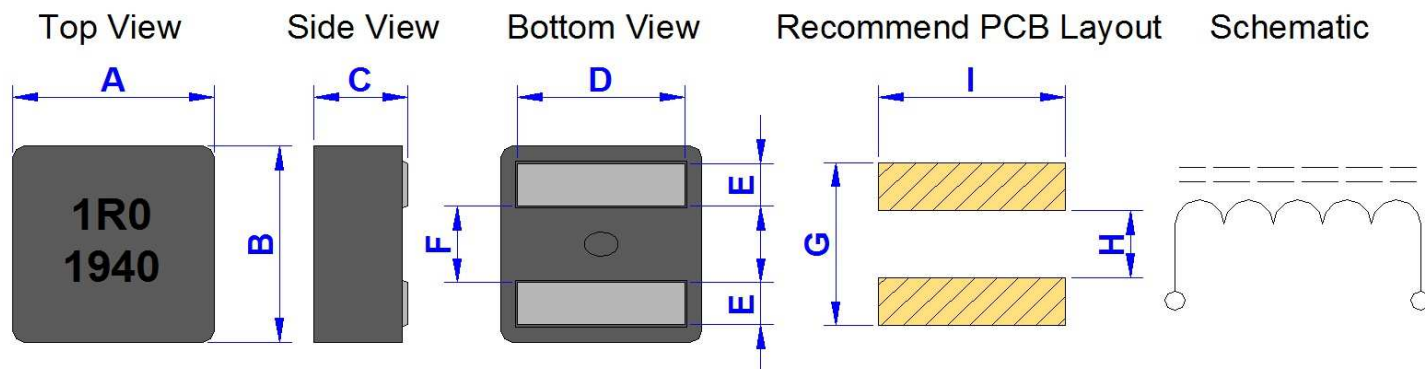
#### Typical Performance Curves :



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### GSFM4020PL1-SERIES

Dimension [ mm ] :



**Marking : A. Inductance code & Date code**

( 1 ) Year ex. 2020 = 20

( 2 ) Weekly serial number 01 ~ 52

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			Typ.	Max.	Typ.(1)	Typ.(2)	Typ.(3)	Max.	20°C	40°C
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GSFM4020PL1-R56M	0.56	M	6.90	7.80	6.0	9.0	13.0	11.3	9.5	12.6
GSFM4020PL1-R60M	0.60	M	6.90	7.80	5.8	8.8	12.8	11.1	9.4	12.4
GSFM4020PL1-R68M	0.68	M	7.30	8.20	5.2	8.0	11.6	10.0	9.2	12.0
GSFM4020PL1-R82M	0.82	M	8.60	9.50	4.8	6.5	10.2	9.0	8.5	11.5
GSFM4020PL1-1R0M	1.00	M	10.60	11.70	4.5	5.4	9.2	8.0	8.0	11.0
GSFM4020PL1-1R2M	1.20	M	12.20	13.40	4.3	5.0	8.6	7.5	7.2	9.5

\* Test Condition @100KHz , 0.1Vrms , 25°C Ambient

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Isat - Typ.(2) : Saturated Current measured at the point of L drop approximately 20%

Isat - Typ.(3) : Saturated Current measured at the point of L drop approximately 30%

\* The part temperature (ambient + temp rise) should not exceed 125°C under worst case operating conditions. Circuit design, component, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.

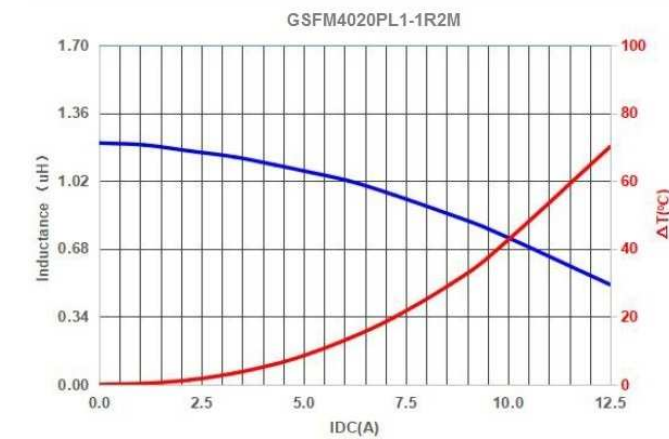
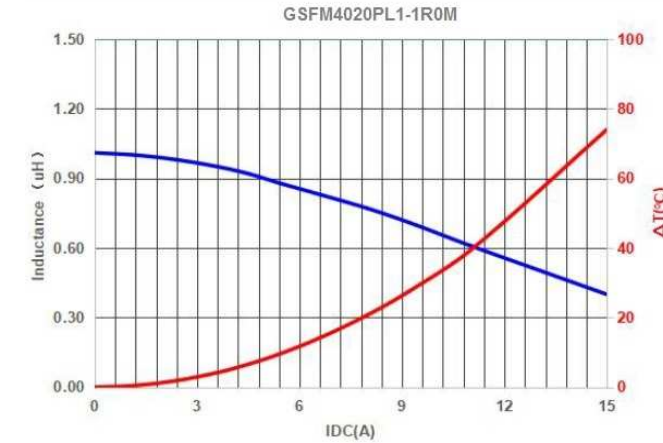
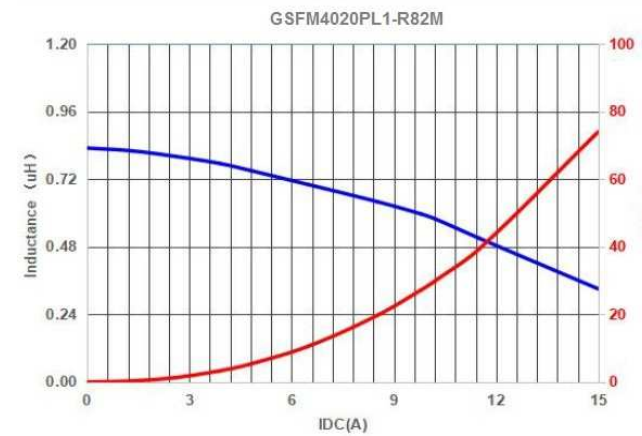
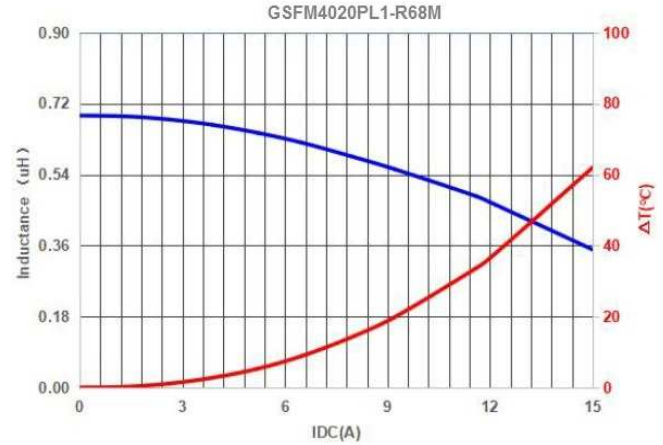
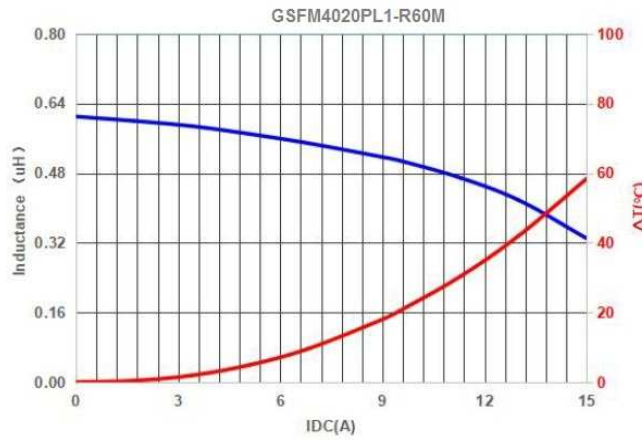
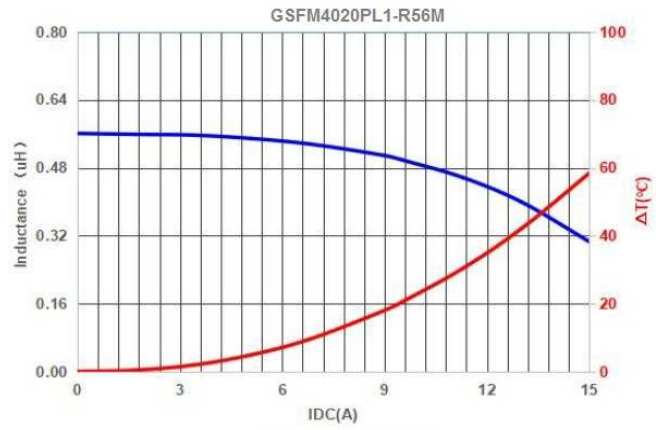
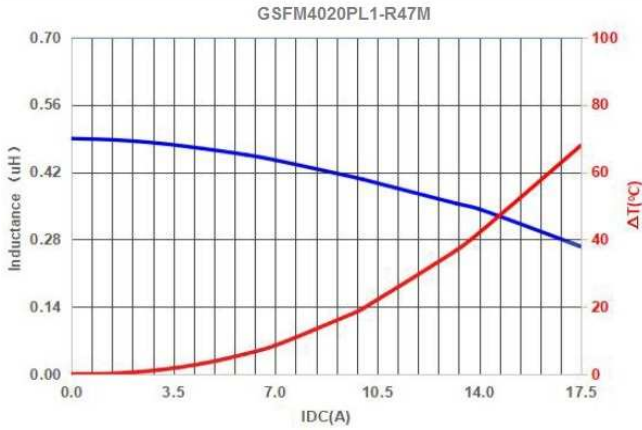
\* Rated operating voltage(across inductor)15V ref.

<b>Product Series :</b>	<b>GSFM</b>
<b>File Version :</b>	<b>GSFM-SERIES-V1R5</b>
<b>Established Date :</b>	<b>2021.09.22</b>
<b>Latest Edit Date :</b>	<b>2022.08.30</b>

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

## GSFM4020PL1-SERIES

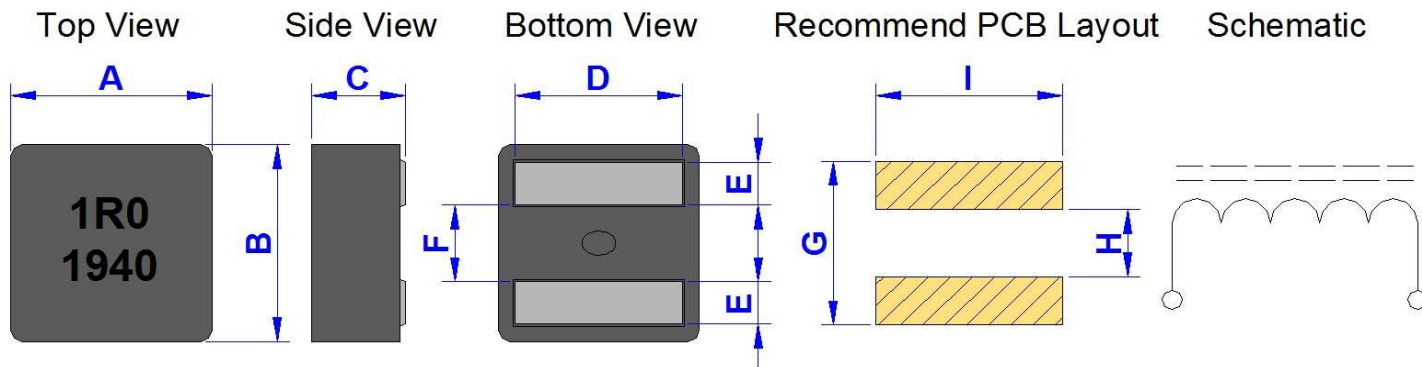
### Typical Performance Curves :



<b>Product Series :</b> GSFM	<b>Brand :</b> GOTREND
<b>File Version :</b> GSFM-SERIES-V1R5	<b>Editor :</b> David Wang
<b>Established Date :</b> 2021.09.22	<b>Description :</b> High Current Inductor
<b>Latest Edit Date :</b> 2022.08.30	<b>Product Type :</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

### GSFM4030P-SERIES

Dimension [ mm ] :



**Marking :** A. Inductance code & Date code

( 1 ) Year ex. 2020 = 20

( 2 ) Weekly serial number 01 ~ 52

Size	A (+/-0.2)	B (+/-0.2)	C (+/-0.2)	D (+/-0.3)	E (+/-0.2)	F (+/-0.25)	G(Ref.)	H(Ref.)	I(Ref.)
4030	4.40	4.40	2.80	3.40	0.88	1.60	3.40	1.40	3.80

**Electrical Characteristics :**

Part No.	Inductance ( uH )	Inductance Tolerance	DCR ( m Ohm )		Isat ( A )		Irms ( A ) Typ.	
			Typ.	Max.	Typ.	Max.	20°C	40°C
GSFM4030P-R47M	0.47	M	6.60	7.26	17.0	15.0	10.0	14.0
GSFM4030P-1R0M	1.00	M	11.60	12.76	10.0	9.0	7.0	10.0
GSFM4030P-2R2M	2.20	M	18.90	20.80	7.0	6.2	5.5	7.2

\* Test Condition @100KHz , 0.1Vrms , 25°C Ambient

\* Inductance Tolerance : M = +/-20%

\* Irms : Rated Current Loading when temperature rise approximately 40°C

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

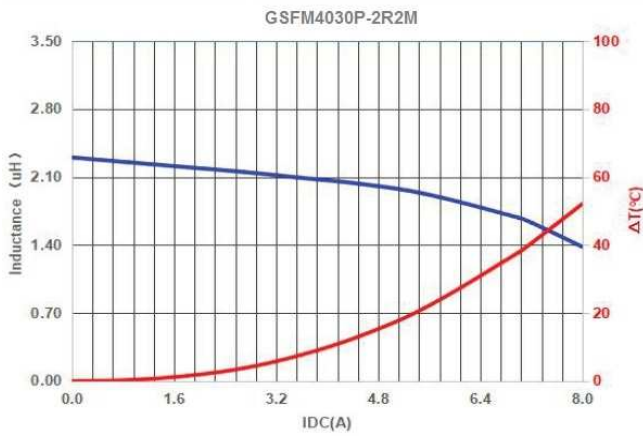
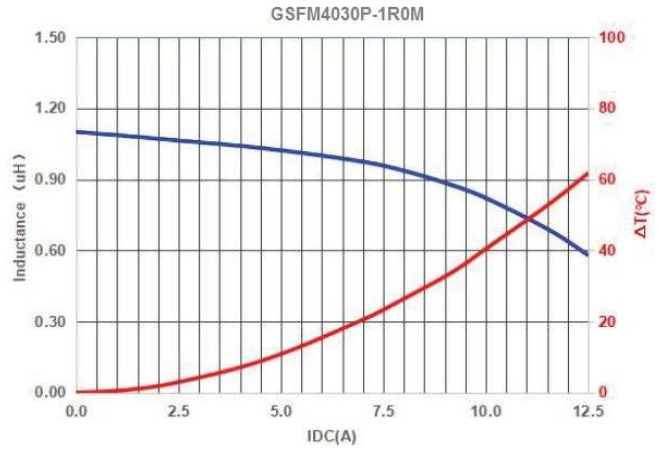
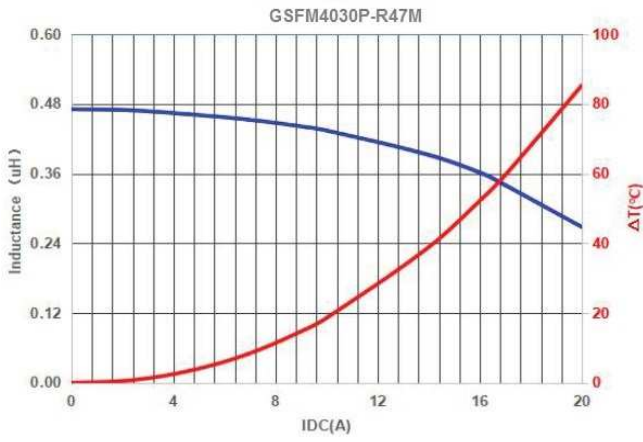
\* The part temperature (ambient + temp rise) should not exceed 125°C under worst case operating conditions. Circuit design, component, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.

\* Rated operating voltage(across inductor) 40V ref.

<b>Product Series :</b> GSFM	<b>Brand :</b> GOTREND
<b>File Version :</b> GSFM-SERIES-V1R5	<b>Editor :</b> David Wang
<b>Established Date :</b> 2021.09.22	<b>Description :</b> High Current Inductor
<b>Latest Edit Date :</b> 2022.08.30	<b>Product Type :</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

## GSFM4030P-SERIES

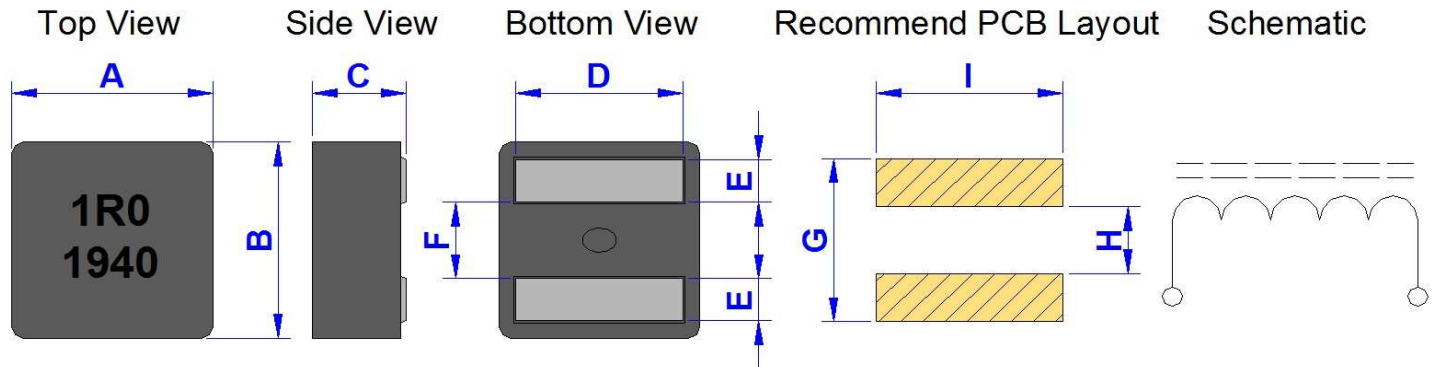
### Typical Performance Curves :



<b>Product Series :</b> GSFM	<b>Brand :</b> GOTREND
<b>File Version :</b> GSFM-SERIES-V1R5	<b>Editor :</b> David Wang
<b>Established Date :</b> 2021.09.22	<b>Description :</b> High Current Inductor
<b>Latest Edit Date :</b> 2022.08.30	<b>Product Type :</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

## GSFM4030PL-SERIES

Dimension [ mm ] :



**Marking : A. Inductance code & Date code**

( 1 ) Year ex. 2020 = 20

( 2 ) Weekly serial number 01 ~ 52

Size	A (+/-0.2)	B (+/-0.2)	C (+/-0.2)	D (+/-0.3)	E (+/-0.2)	F (+/-0.25)	G(Ref.)	H(Ref.)	I(Ref.)
4030	4.40	4.40	2.80	3.40	0.88	1.60	3.40	1.40	3.80

**Electrical Characteristics :**

Part No.	Inductance ( uH )	Inductance Tolerance	DCR ( m Ohm )		Isat ( A )				I <sub>rms</sub> ( A ) Typ.	
			Typ.	Max.	Typ.(1)	Typ.(2)	Typ.(3)	Max.	20°C	40°C
GSFM4030PL-R90M	0.90	M	9.10	10.10	5.2	7.0	10.0	9.2	8.2	11.2
GSFM4030PL-1R0M	1.00	M	9.10	10.10	5.0	6.8	9.8	9.0	8.0	11.0
GSFM4030PL-1R2M	1.20	M	10.40	11.50	4.6	6.4	9.2	8.7	7.8	9.8
GSFM4030PL-1R5M	1.50	M	12.00	13.20	4.1	5.6	8.0	7.0	7.0	9.0
GSFM4030PL-2R2M	2.20	M	20.50	22.60	3.6	5.1	7.0	6.1	6.0	7.8
GSFM4030PL-3R3M	3.30	M	26.00	28.60	3.3	4.8	6.2	5.3	5.0	6.6

\* Test Condition @100KHz , 0.1Vrms , 25°C Ambient

\* Inductance Tolerance : M = +/-20%

\* I<sub>rms</sub> : Rated Current Loading when temperature rise approximately 40°C

\* Isat - Typ.(1) : Saturated Current measured at the point of L drop approximately 10%

Isat - Typ.(2) : Saturated Current measured at the point of L drop approximately 20%

Isat - Typ.(3) : Saturated Current measured at the point of L drop approximately 30%

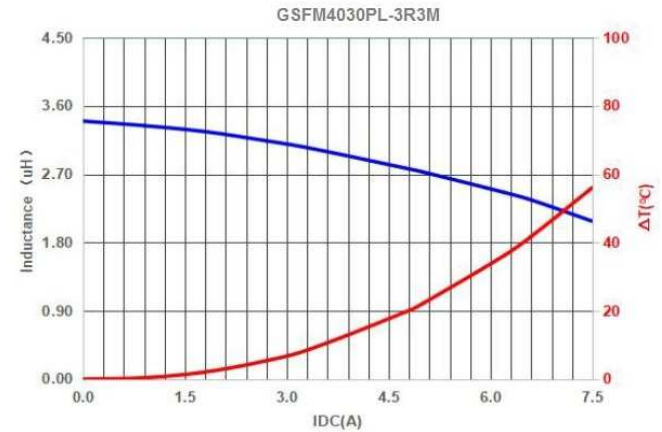
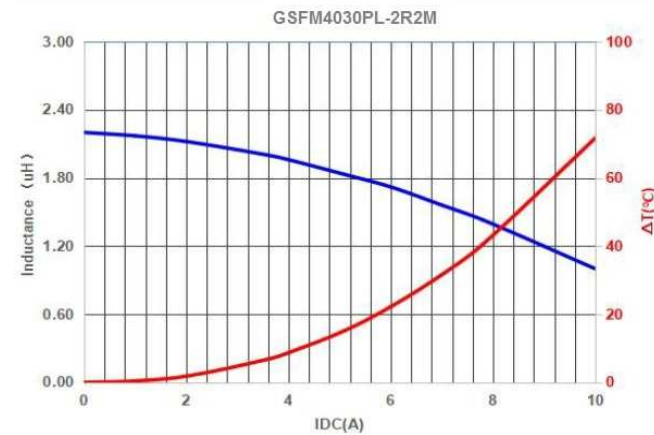
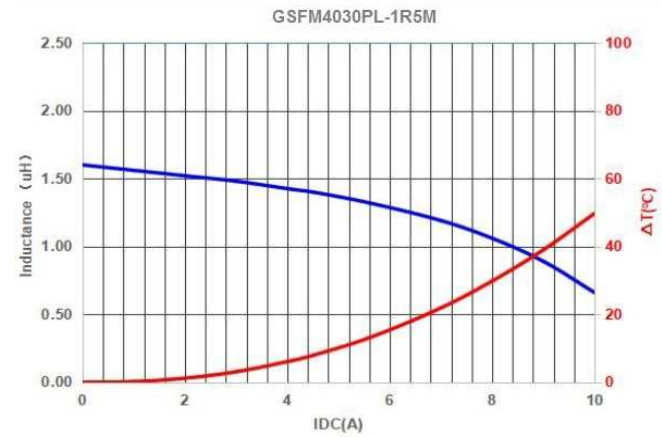
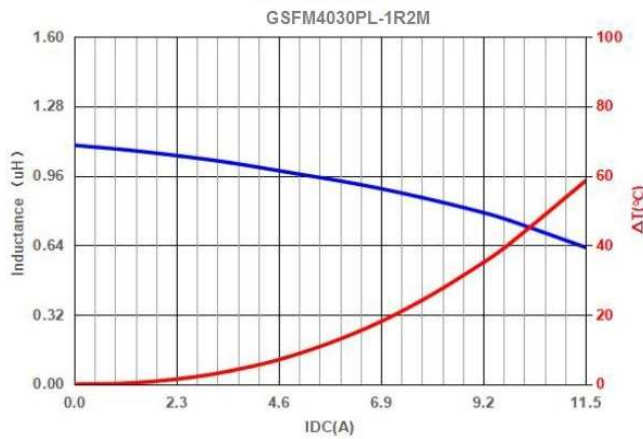
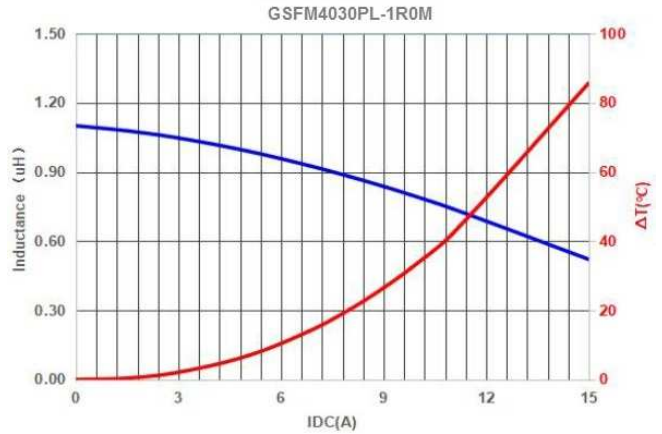
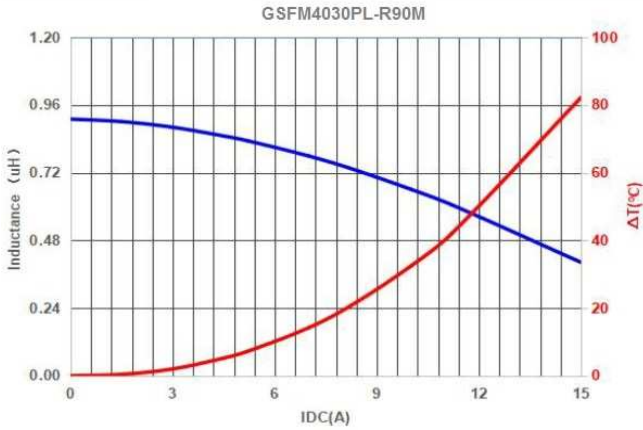
\* The part temperature (ambient + temp rise) should not exceed 125°C under worst case operating conditions. Circuit design, component, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.

\* Rated operating voltage(across inductor) 15V ref.

<b>Product Series :</b> GSFM	<b>Brand :</b> GOTREND
<b>File Version :</b> GSFM-SERIES-V1R5	<b>Editor :</b> David Wang
<b>Established Date :</b> 2021.09.22	<b>Description :</b> High Current Inductor
<b>Latest Edit Date :</b> 2022.08.30	<b>Product Type :</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

## GSFM4030PL-SERIES

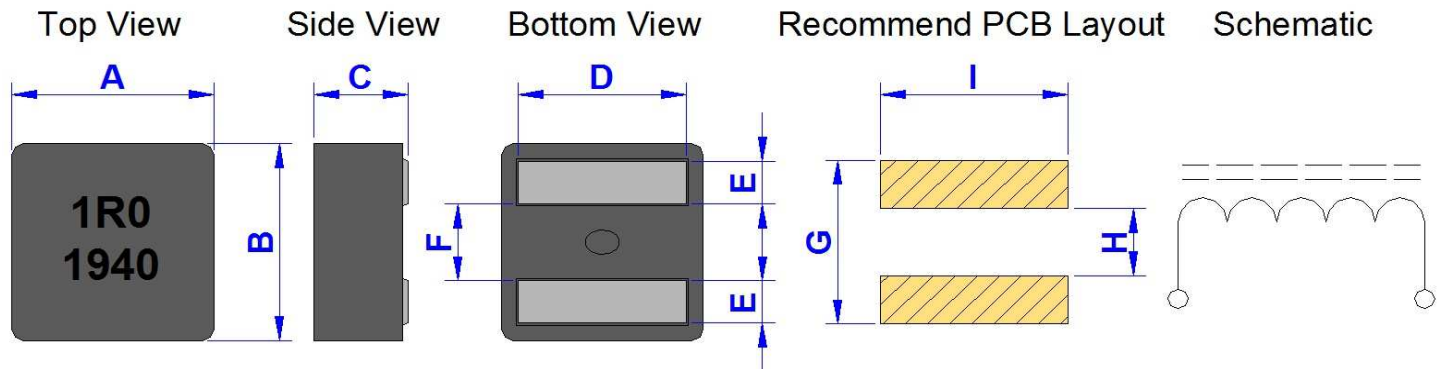
### Typical Performance Curves :



<b>Product Series :</b> GSFM	<b>Brand :</b> GOTREND
<b>File Version :</b> GSFM-SERIES-V1R5	<b>Editor :</b> David Wang
<b>Established Date :</b> 2021.09.22	<b>Description :</b> High Current Inductor
<b>Latest Edit Date :</b> 2022.08.30	<b>Product Type :</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

### GSFM5020P-SERIES

**Dimension [ mm ] :**



**Marking : A. Inductance code & Date code**

**( 1 ) Year ex. 2020 = 20**

**( 2 ) Weekly serial number 01 ~ 52**

Size	A (+/-0.2)	B (+/-0.2)	C (+/-0.2)	D (+/-0.3)	E (+/-0.2)	F (+/-0.25)	G(Ref.)	H(Ref.)	I(Ref.)
5020	6.00	5.70	1.90	4.30	1.10	2.30	4.50	2.00	4.70

**Electrical Characteristics :**

Part No.	Inductance ( uH )	Inductance Tolerance	DCR ( m Ohm )		Isat ( A )		Irms ( A ) Typ.	
			Typ.	Max.	Typ.	Max.	20°C	40°C
GSFM5020P-R15M	0.15	M	4.00	4.60	30.0	27.0	13.9	18.8
GSFM5020P-R16M	0.16	M	4.00	4.60	30.0	27.0	13.9	18.8
GSFM5020P-R33M	0.33	M	6.10	7.00	26.0	24.0	10.5	14.4
GSFM5020P-R47M	0.47	M	7.00	8.05	22.0	20.0	10.1	14.1
GSFM5020P-R56M	0.56	M	8.70	9.54	19.0	16.0	9.9	13.9
GSFM5020P-R68M	0.68	M	8.90	10.20	16.0	14.0	9.6	13.4
GSFM5020P-R80M	0.80	M	10.30	11.80	15.5	13.5	9.4	13.0
GSFM5020P-R82M	0.82	M	11.00	12.70	15.0	13.0	8.5	12.0
GSFM5020P-1R0M	1.00	M	12.00	13.80	14.5	12.8	7.5	10.5
GSFM5020P-1R2M	1.20	M	14.20	16.30	14.0	12.2	6.8	9.4
GSFM5020P-1R5M	1.50	M	16.20	18.70	13.3	11.7	6.4	8.8

\* Test Condition @100KHz , 0.1Vrms , 25°C Ambient

\* Inductance Tolerance : M = +/-20%

\* Irms : Rated Current Loading when temperature rise approximately 40°C

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

\* The part temperature (ambient + temp rise) should not exceed 125°C under worst case operating conditions. Circuit design, component, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.

\* Rated operating voltage(across inductor) 40V ref.

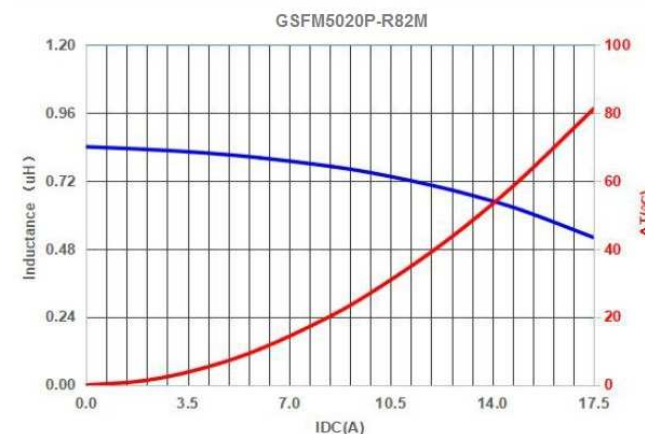
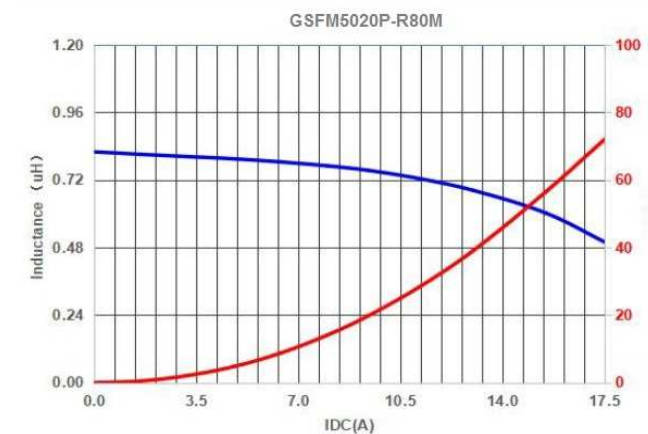
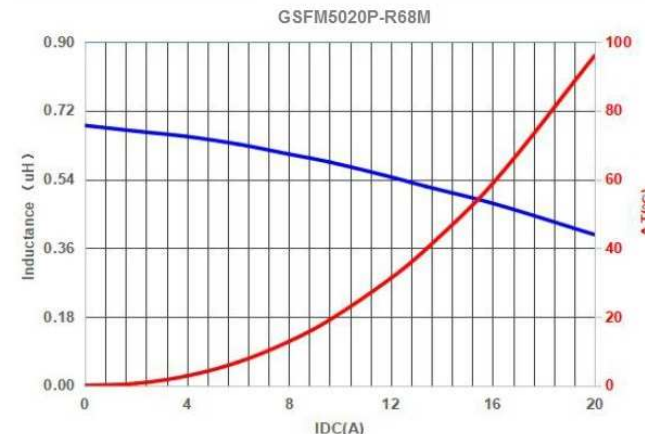
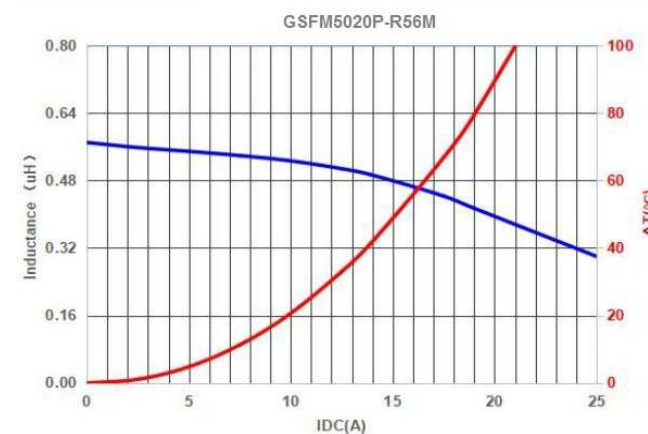
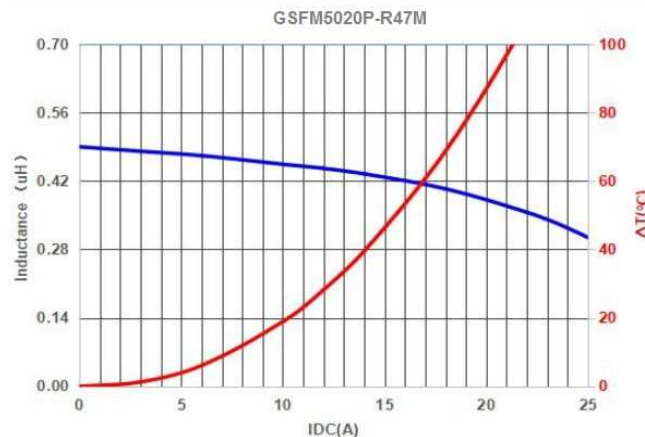
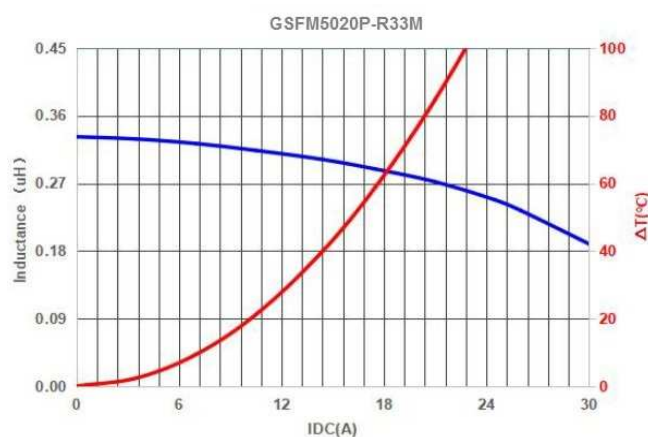
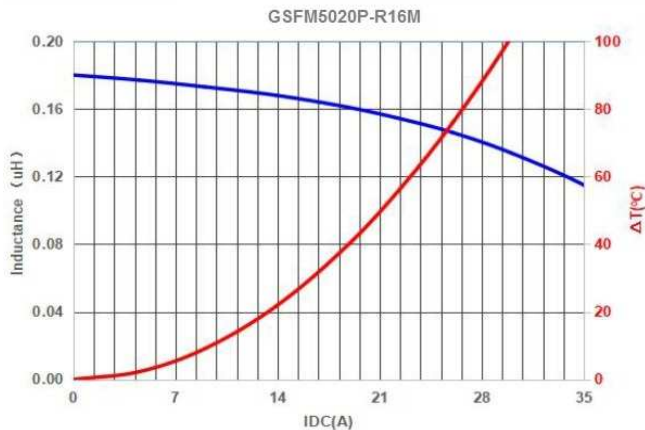
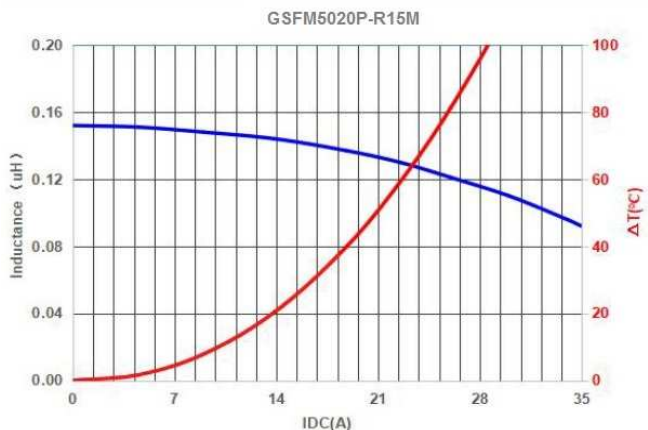


<b>Product Series :</b>	<b>GSFM</b>
<b>File Version :</b>	<b>GSFM-SERIES-V1R5</b>
<b>Established Date :</b>	<b>2021.09.22</b>
<b>Latest Edit Date :</b>	<b>2022.08.30</b>

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

## GSFM5020P-SERIES

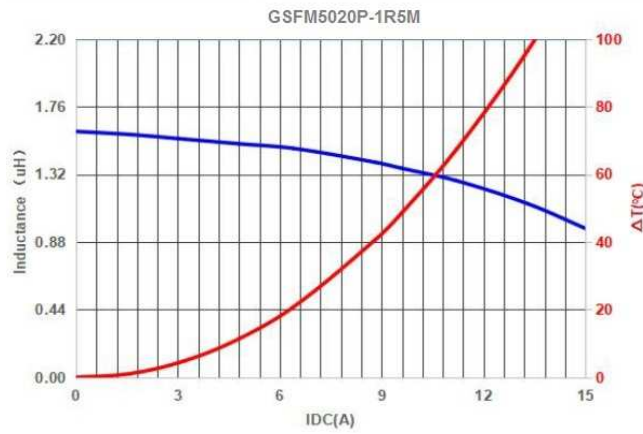
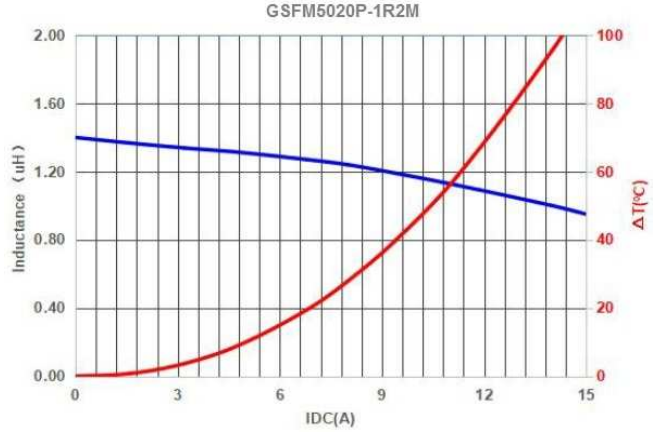
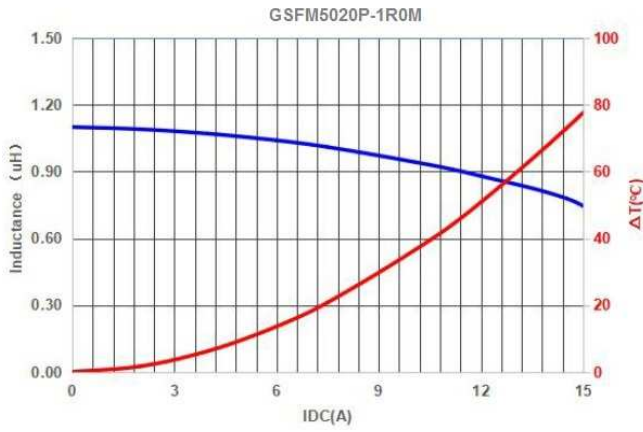
### Typical Performance Curves :



<b>Product Series :</b> GSFM	<b>Brand :</b> GOTREND
<b>File Version :</b> GSFM-SERIES-V1R5	<b>Editor :</b> David Wang
<b>Established Date :</b> 2021.09.22	<b>Description :</b> High Current Inductor
<b>Latest Edit Date :</b> 2022.08.30	<b>Product Type :</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

## GSFM5020P-SERIES

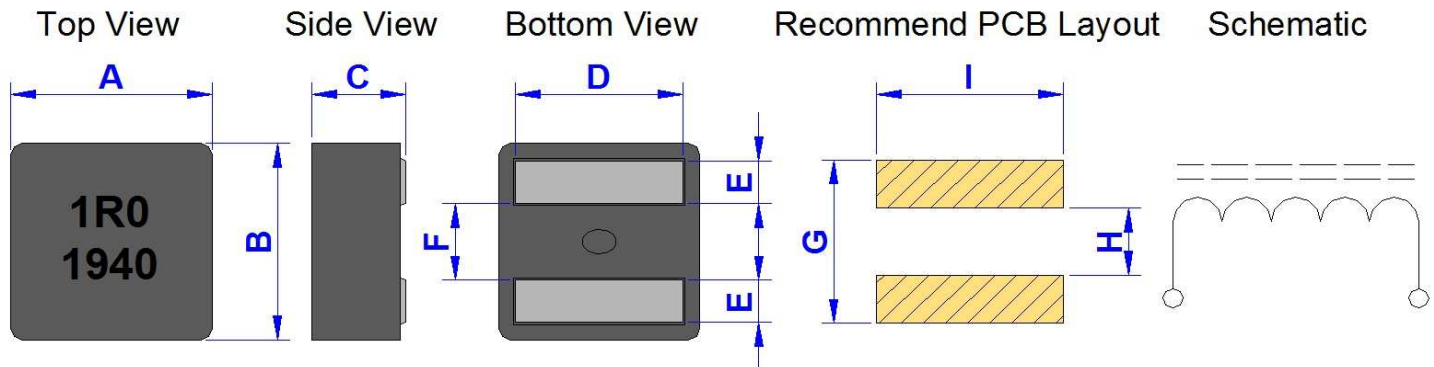
### Typical Performance Curves :



<b>Product Series :</b> GSFM	<b>Brand :</b> GOTREND
<b>File Version :</b> GSFM-SERIES-V1R5	<b>Editor :</b> David Wang
<b>Established Date :</b> 2021.09.22	<b>Description :</b> High Current Inductor
<b>Latest Edit Date :</b> 2022.08.30	<b>Product Type :</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

### GSFM5030P-SERIES

Dimension [ mm ] :



Marking : A. Inductance code & Date code

( 1 ) Year ex. 2020 = 20

( 2 ) Weekly serial number 01 ~ 52

Size	A (+/-0.2)	B (+/-0.2)	C (+/-0.2)	D (+/-0.3)	E (+/-0.2)	F (+/-0.25)	G(Ref.)	H(Ref.)	I(Ref.)
5030	6.00	5.70	2.90	4.30	1.10	2.30	4.50	2.00	4.70

Electrical Characteristics :

Part No.	Inductance ( uH )	Inductance Tolerance	DCR ( m Ohm )		Isat ( A )		Irms ( A ) Typ.	
			Typ.	Max.	Typ.	Max.	20°C	40°C
GSFM5030P-R15M	0.15	M	2.10	2.31	36.0	32.5	14.3	22.2
GSFM5030P-R16M	0.16	M	2.12	2.33	35.0	32.0	14.2	22.2
GSFM5030P-R28M	0.28	M	3.00	3.30	32.0	28.0	14.0	19.0
GSFM5030P-R33M	0.33	M	3.20	3.52	28.0	26.0	13.8	19.2
GSFM5030P-R47M	0.47	M	3.75	4.13	26.0	24.0	13.7	18.4
GSFM5030P-R56M	0.56	M	4.05	4.52	22.2	20.2	13.6	17.7
GSFM5030P-R60M	0.60	M	4.11	4.52	22.0	20.0	13.6	17.7
GSFM5030P-R80M	0.80	M	5.14	5.65	20.0	18.0	10.1	13.1
GSFM5030P-R82M	0.82	M	5.25	5.78	19.7	17.6	9.9	12.9
GSFM5030P-1R0M	1.00	M	6.90	7.60	16.5	14.3	9.0	12.2
GSFM5030P-1R2M	1.20	M	8.80	9.70	15.0	13.5	8.5	11.0
GSFM5030P-1R5M	1.50	M	10.10	11.20	14.0	12.5	8.0	10.5
GSFM5030P-1R8M	1.80	M	11.50	12.70	12.3	11.3	7.6	10.1
GSFM5030P-2R2M	2.20	M	13.20	14.50	10.0	9.0	7.2	9.7
GSFM5030P-3R3M	3.30	M	21.00	23.10	9.5	8.7	5.9	8.1
GSFM5030P-4R7M	4.70	M	33.00	36.30	8.2	7.0	4.3	5.9

\* Test Condition @100KHz , 0.1Vrms , 25°C Ambient

\* Inductance Tolerance : M = +/-20%

\* Irms : Rated Current Loading when temperature rise approximately 40°C

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

\* The part temperature (ambient + temp rise) should not exceed 125°C under worst case operating conditions. Circuit design, component, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.

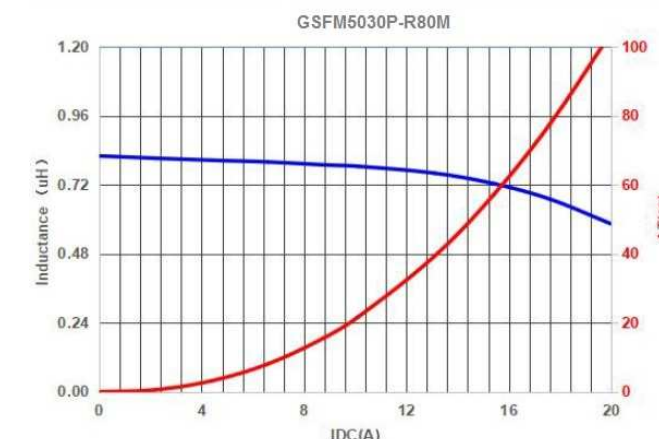
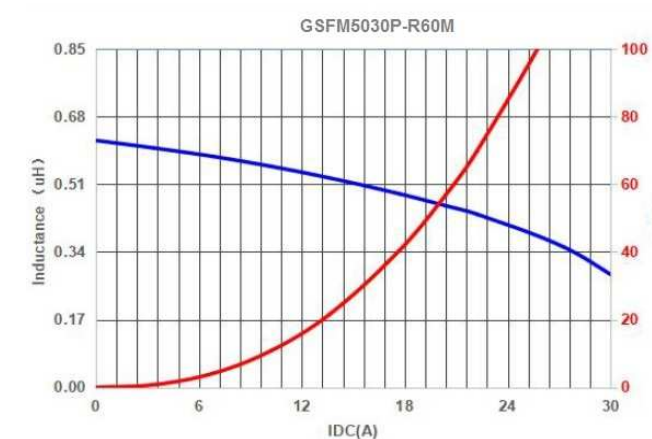
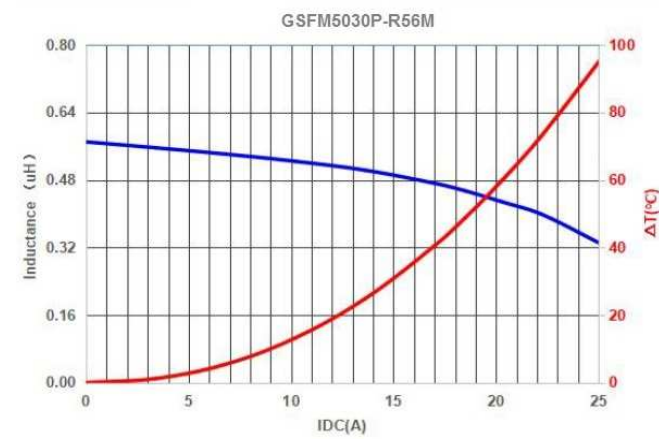
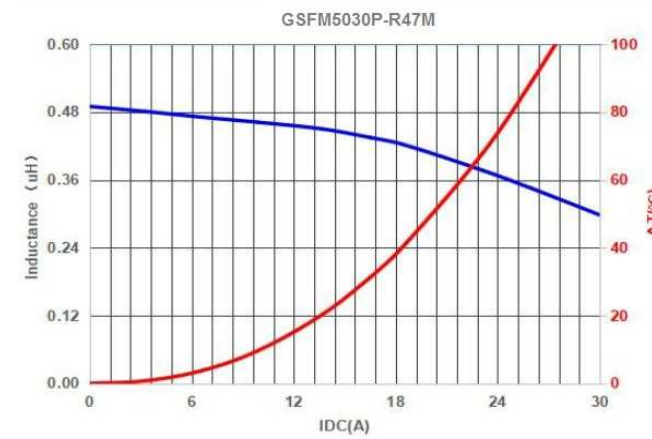
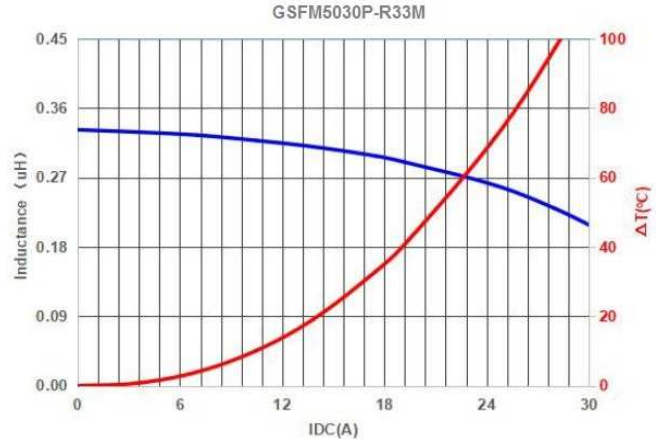
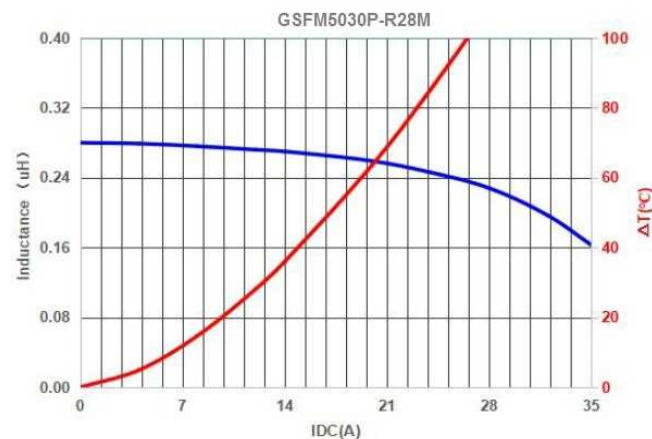
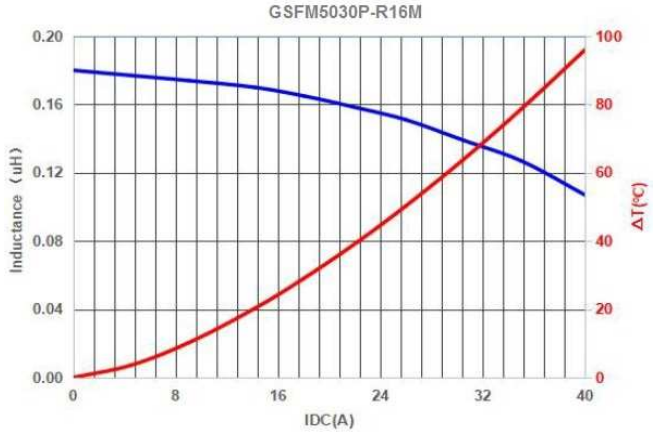
\* Rated operating voltage(across inductor) 40V ref.

<b>Product Series :</b>	<b>GSFM</b>
<b>File Version :</b>	<b>GSFM-SERIES-V1R5</b>
<b>Established Date :</b>	<b>2021.09.22</b>
<b>Latest Edit Date :</b>	<b>2022.08.30</b>

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

## GSFM5030P-SERIES

### Typical Performance Curves :

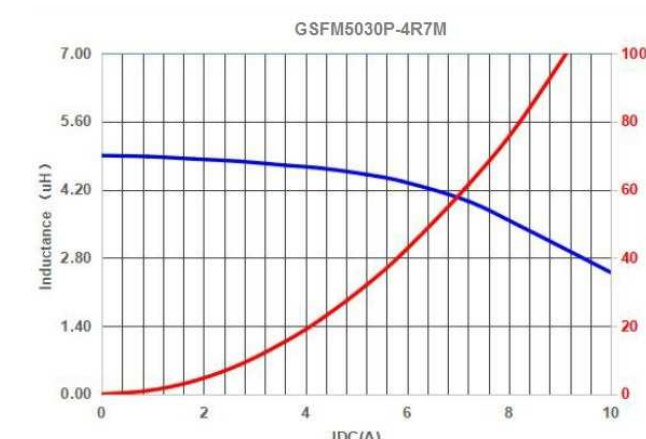
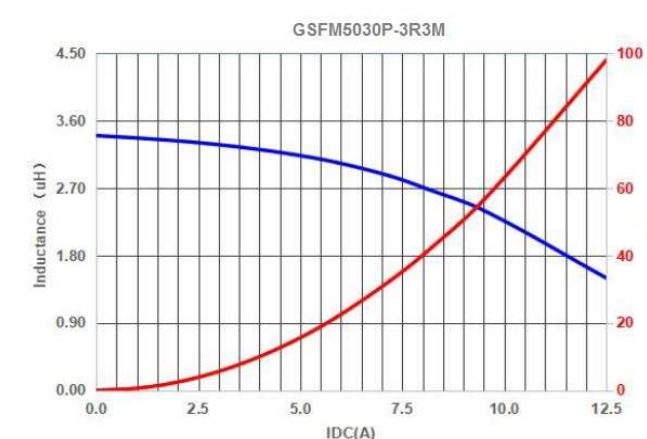
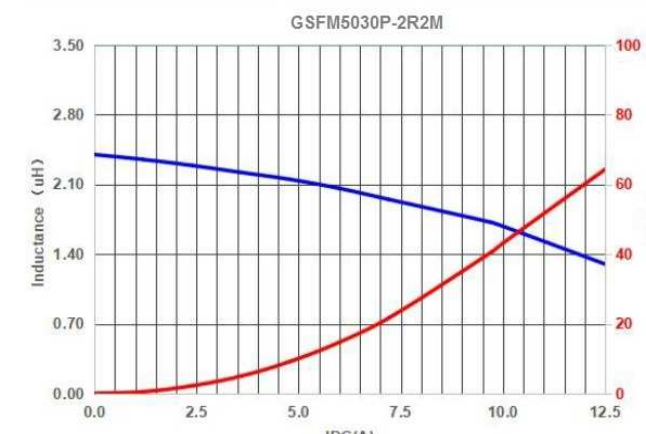
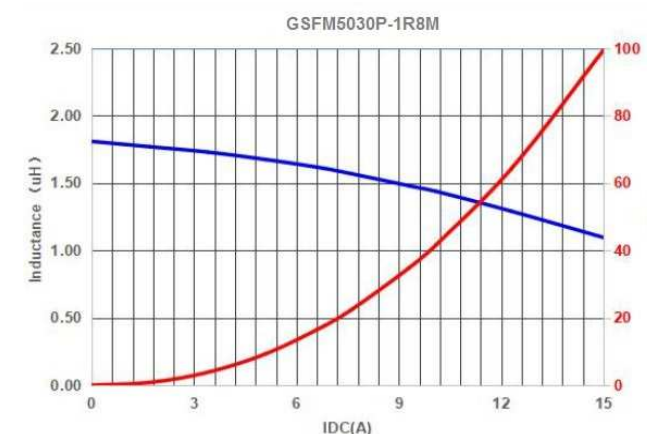
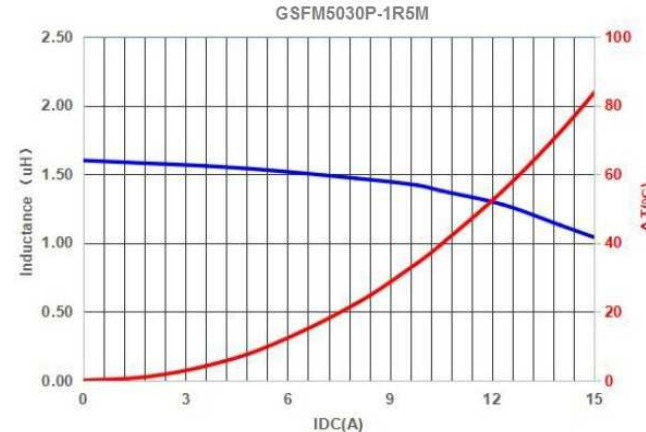
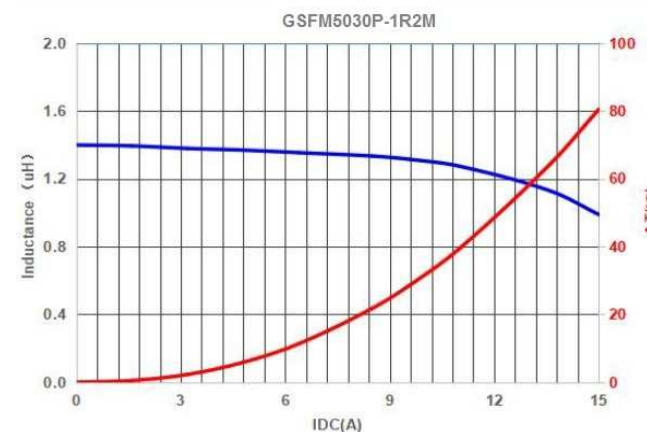
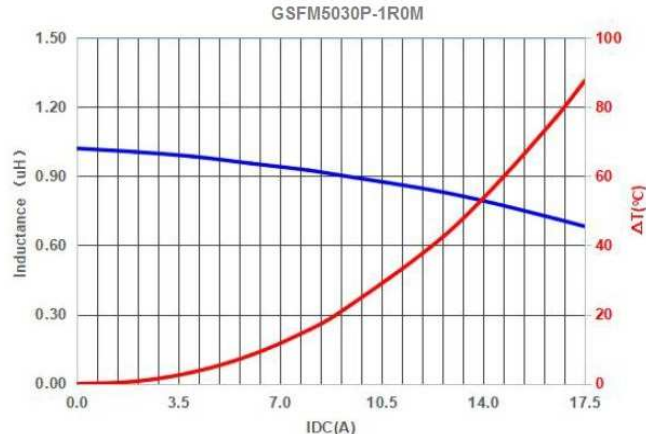


<b>Product Series :</b>	<b>GSFM</b>
<b>File Version :</b>	<b>GSFM-SERIES-V1R5</b>
<b>Established Date :</b>	<b>2021.09.22</b>
<b>Latest Edit Date :</b>	<b>2022.08.30</b>

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

### GSFM5030P-SERIES

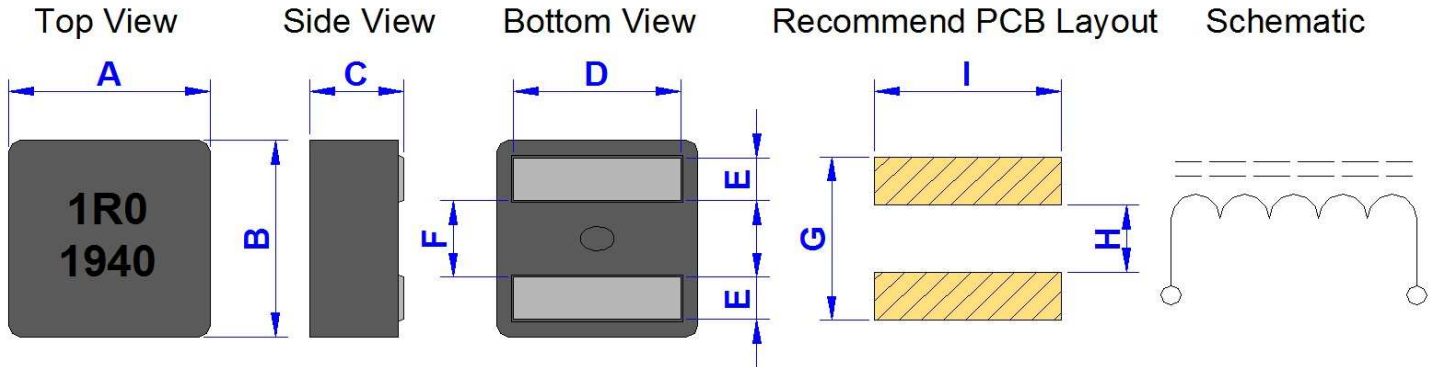
#### Typical Performance Curves :



<b>Product Series :</b> GSFM	<b>Brand :</b> GOTREND
<b>File Version :</b> GSFM-SERIES-V1R5	<b>Editor :</b> David Wang
<b>Established Date :</b> 2021.09.22	<b>Description :</b> High Current Inductor
<b>Latest Edit Date :</b> 2022.08.30	<b>Product Type :</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

### GSFM5050PL-SERIES

Dimension [ mm ] :



**Marking : A. Inductance code & Date code**  
 ( 1 ) Year ex. 2020 = 20  
 ( 2 ) Weekly serial number 01 ~ 52

Size	A (+/-0.2)	B (+/-0.2)	C (+/-0.2)	D (+/-0.3)	E (+/-0.2)	F (+/-0.25)	G(Ref.)	H(Ref.)	I(Ref.)
5050	6.00	5.70	4.80	4.30	1.10	2.30	4.50	2.00	4.70

### Electrical Characteristics :

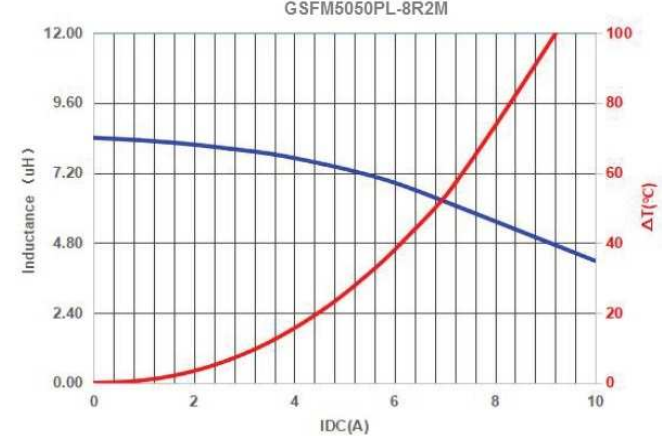
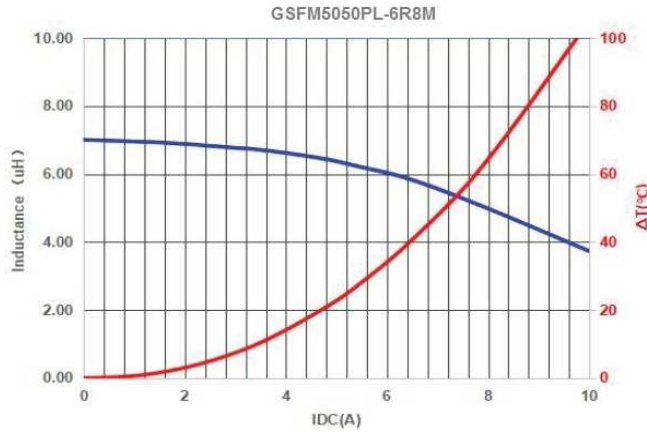
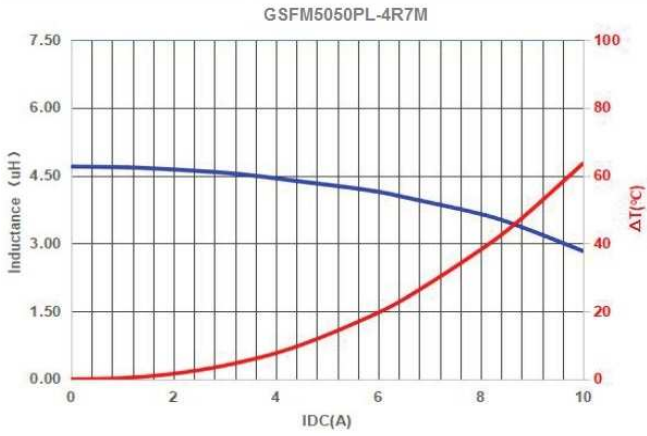
Part No.	Inductance ( uH )	Inductance Tolerance	DCR ( m Ohm )		Isat ( A )		Irms ( A ) Typ.	
			Typ.	Max.	Typ.	Max.	20°C	40°C
GSFM5050PL-4R7M	4.70	M	19.00	21.00	8.8	7.4	5.9	8.1
GSFM5050PL-5R6M	5.60	M	22.00	24.20	8.6	7.2	5.3	7.2
GSFM5050PL-6R8M	6.80	M	26.00	28.60	7.8	6.6	4.8	6.4
GSFM5050PL-8R2M	8.20	M	29.50	32.50	7.2	6.1	4.6	6.1

- \* Test Condition @100KHz , 0.1Vrms , 25°C Ambient
- \* Inductance Tolerance : M = +/-20%
- \* Irms : Rated Current Loading when temperature rise approximately 40°C
- \* Isat : Saturated Current measured at the point of L drop approximately 30%
- \* The part temperature (ambient + temp rise) should not exceed 125°C under worst case operating conditions. Circuit design, component, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
- \* Rated operating voltage(across inductor) 15V ref.

<b>Product Series :</b> GSFM	<b>Brand :</b> GOTREND
<b>File Version :</b> GSFM-SERIES-V1R5	<b>Editor :</b> David Wang
<b>Established Date :</b> 2021.09.22	<b>Description :</b> High Current Inductor
<b>Latest Edit Date :</b> 2022.08.30	<b>Product Type :</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

## GSFM5050PL-SERIES

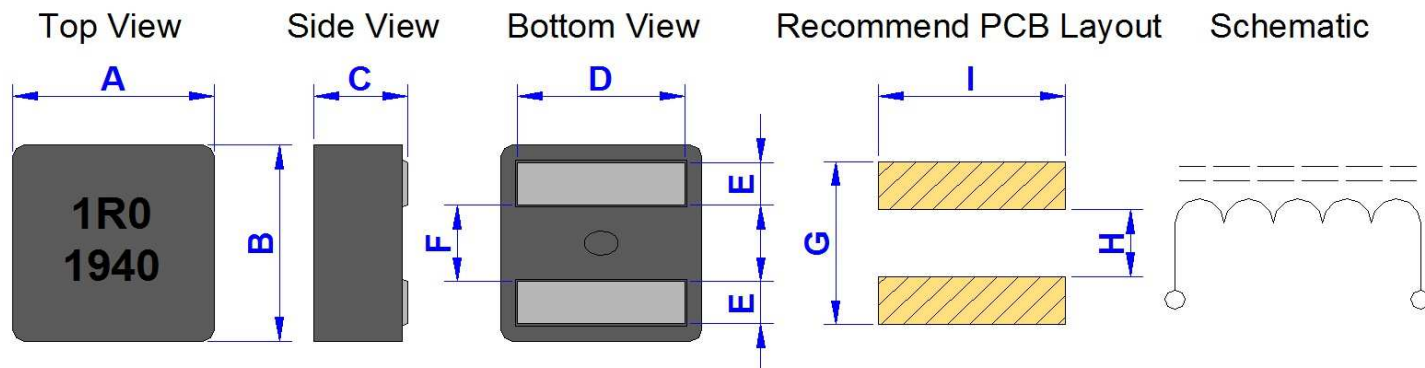
### Typical Performance Curves :



<b>Product Series :</b> GSFM	<b>Brand :</b> GOTREND
<b>File Version :</b> GSFM-SERIES-V1R5	<b>Editor :</b> David Wang
<b>Established Date :</b> 2021.09.22	<b>Description :</b> High Current Inductor
<b>Latest Edit Date :</b> 2022.08.30	<b>Product Type :</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

### GSFM6030P-SERIES

Dimension [ mm ] :



**Marking : A. Inductance code & Date code**  
 ( 1 ) Year ex. 2020 = 20  
 ( 2 ) Weekly serial number 01 ~ 52

Size	A (+/-0.2)	B (+/-0.2)	C	D	E (+/-0.2)	F (+/-0.25)	G(Ref.)	H(Ref.)	I(Ref.)
6030	7.20	6.90	By Item	By Item	1.40	2.60	5.60	2.50	5.60

### Electrical Characteristics :

Part No.	Inductance ( uH )	Inductance Tolerance	DCR ( m Ohm )		Isat ( A )		I <sub>rms</sub> ( A ) Typ.		Size C ( mm )	Size D ( mm )
			Typ.	Max.	Typ.	Max.	20°C	40°C	+/-0.2	+/-0.3
GSFM6030P-R18M	0.18	M	1.60	1.75	40.0	36.0	24.0	32.0	2.80	5.30
GSFM6030P-R33M	0.33	M	2.25	2.50	32.0	28.0	20.0	25.0	2.80	5.55
GSFM6030P-R56M	0.56	M	3.00	3.31	29.0	25.0	17.0	22.0	2.80	5.30
GSFM6030P-R68M	0.68	M	4.70	5.17	25.0	21.0	15.0	20.0	2.80	5.30
GSFM6030P-1R0M	1.00	M	5.50	6.05	23.0	18.0	13.0	18.0	2.80	5.20
GSFM6030P-1R2M	1.20	M	6.70	7.40	22.0	16.0	12.0	16.0	2.80	5.15
GSFM6030P-1R5M	1.50	M	8.30	9.13	20.0	15.5	11.0	15.0	2.90	5.15
GSFM6030P-1R8M	1.80	M	9.20	10.20	18.2	13.0	10.0	14.0	2.90	5.10
GSFM6030P-2R2M	2.20	M	11.00	12.20	15.9	11.0	7.0	10.0	2.90	5.05
GSFM6030P-3R3M	3.30	M	18.80	20.80	12.2	9.0	6.0	8.0	2.90	5.00
GSFM6030P-4R5M	4.50	M	23.00	25.30	10.0	8.0	5.0	7.0	2.90	5.00
GSFM6030P-4R7M	4.70	M	26.50	29.20	9.0	7.0	4.0	6.0	2.90	5.00

\* Test Condition @100KHz , 0.1V<sub>rms</sub> , 25°C Ambient

\* Inductance Tolerance : M = +/-20%

\* I<sub>rms</sub> : Rated Current Loading when temperature rise approximately 40°C

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

\* The part temperature (ambient + temp rise) should not exceed 125°C under worst case operating conditions. Circuit design, component, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.

\* Rated operating voltage(across inductor) 40V ref.

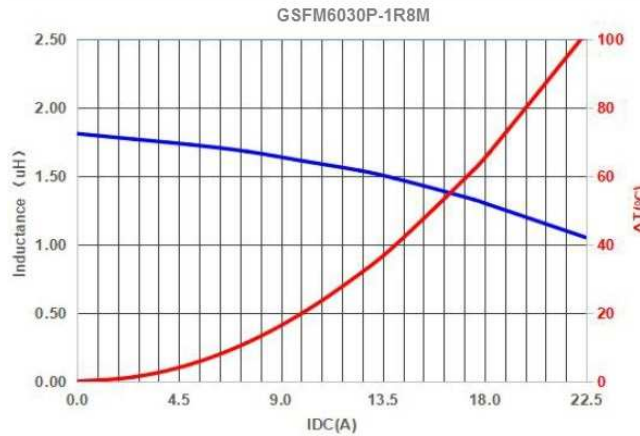
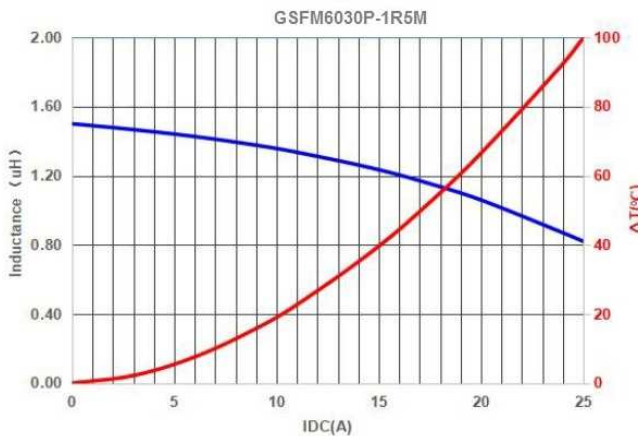
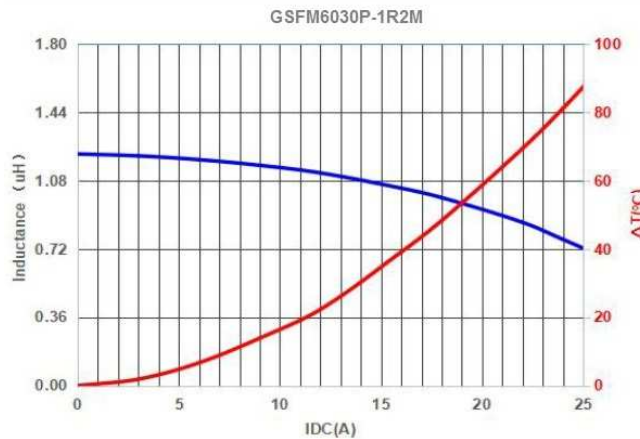
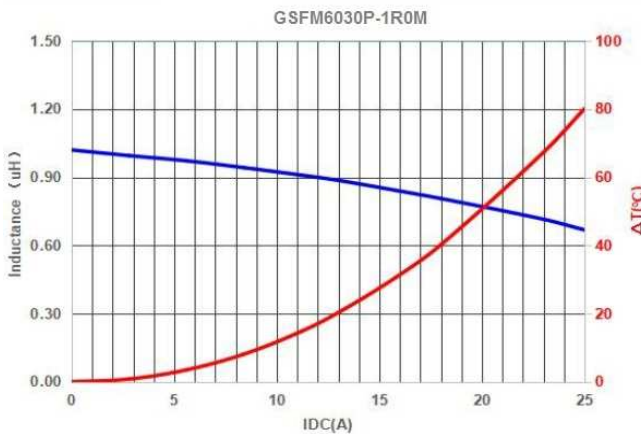
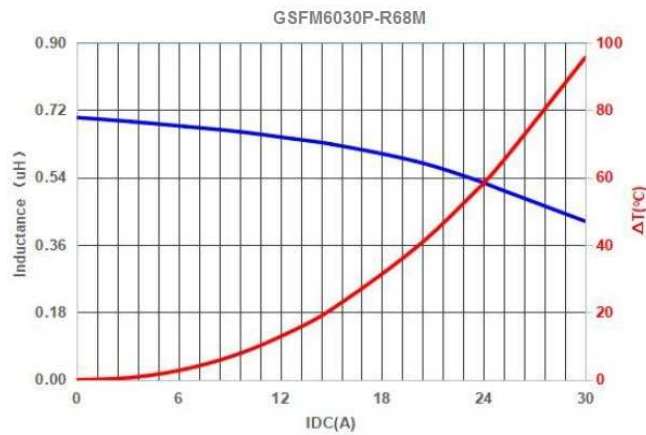
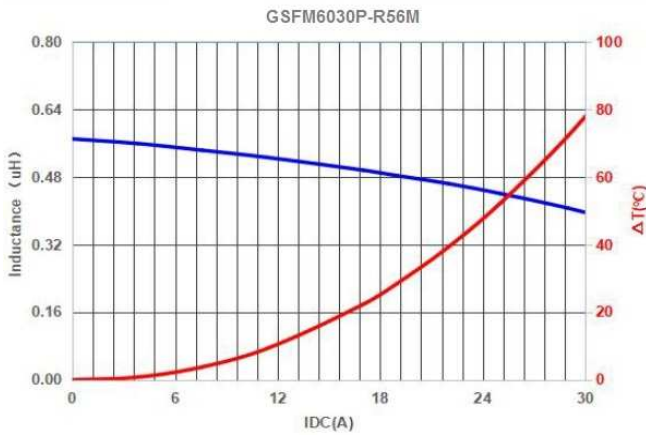
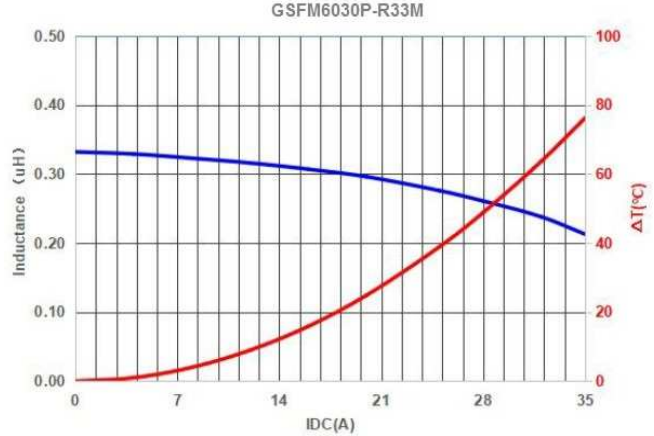
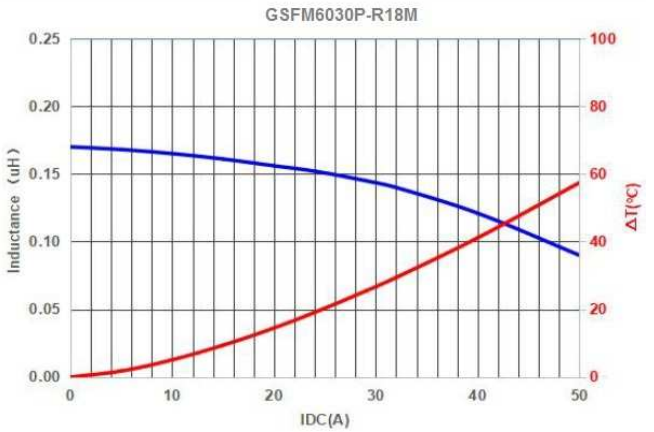


<b>Product Series :</b>	<b>GSFM</b>
<b>File Version :</b>	<b>GSFM-SERIES-V1R5</b>
<b>Established Date :</b>	<b>2021.09.22</b>
<b>Latest Edit Date :</b>	<b>2022.08.30</b>

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

## GSFM6030P-SERIES

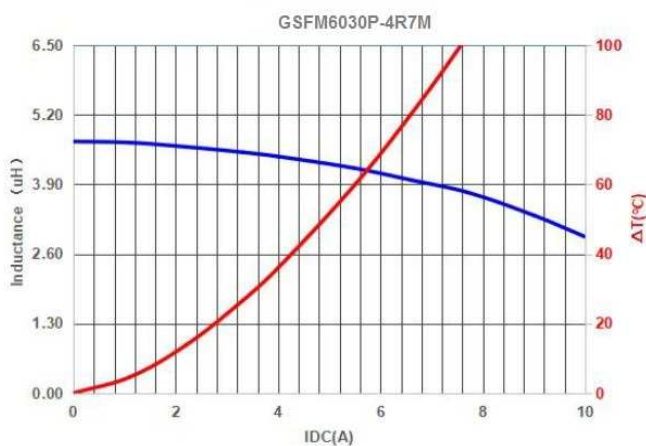
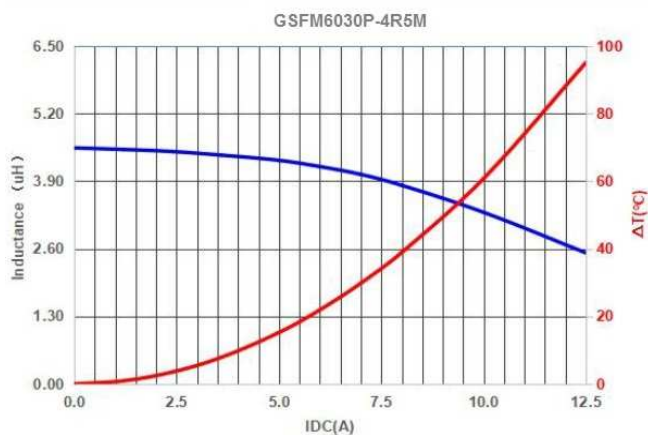
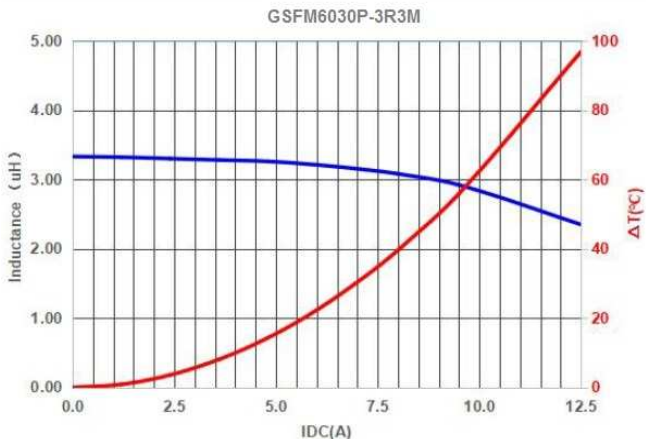
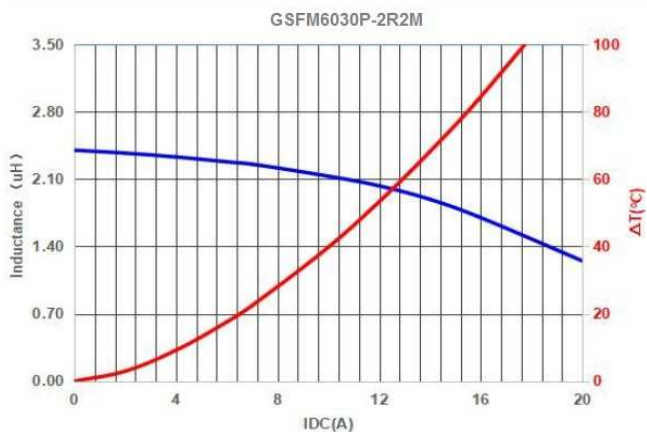
### Typical Performance Curves :



<b>Product Series :</b> GSFM	<b>Brand :</b> GOTREND
<b>File Version :</b> GSFM-SERIES-V1R5	<b>Editor :</b> David Wang
<b>Established Date :</b> 2021.09.22	<b>Description :</b> High Current Inductor
<b>Latest Edit Date :</b> 2022.08.30	<b>Product Type :</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

### GSFM6030P-SERIES

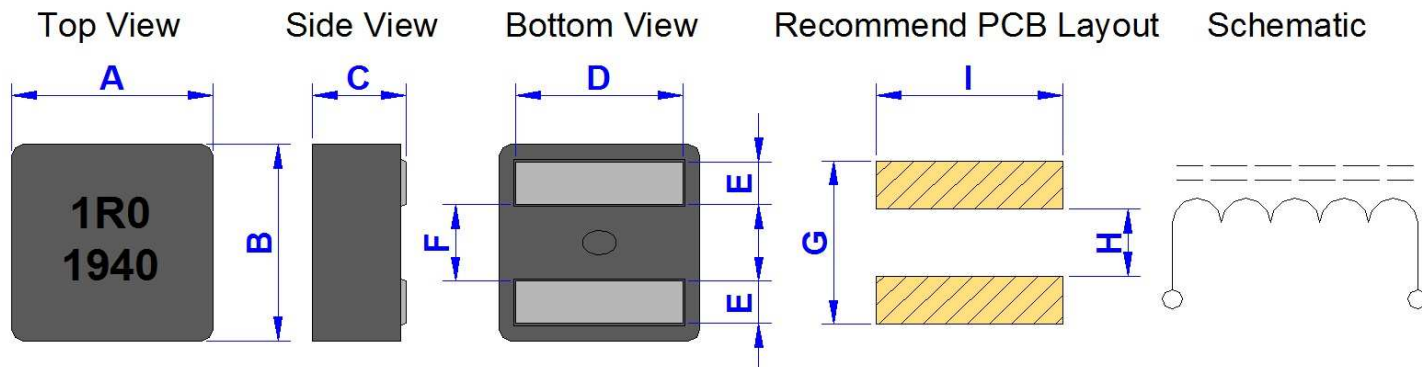
#### Typical Performance Curves :



<b>Product Series :</b> GSFM	<b>Brand :</b> GOTREND
<b>File Version :</b> GSFM-SERIES-V1R5	<b>Editor :</b> David Wang
<b>Established Date :</b> 2021.09.22	<b>Description :</b> High Current Inductor
<b>Latest Edit Date :</b> 2022.08.30	<b>Product Type :</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

### GSFM6040P-SERIES

Dimension [ mm ] :



**Marking :** A. Inductance code & Date code

( 1 ) Year ex. 2020 = 20

( 2 ) Weekly serial number 01 ~ 52

Size	A (+/-0.2)	B (+/-0.2)	C (+/-0.2)	D	E (+/-0.2)	F (+/-0.25)	G(Ref.)	H(Ref.)	I(Ref.)
6040	7.20	6.90	3.80	By Item	1.40	2.60	5.60	2.50	5.60

### Electrical Characteristics :

Part No.	Inductance ( uH )	Inductance Tolerance	DCR ( m Ohm )		Isat ( A )		I <sub>rms</sub> ( A ) Typ.		Size D ( mm ) +/-0.3
			Typ.	Max.	Typ.	Max.	20°C	40°C	
GSFM6040P-R47M	0.47	M	2.60	2.86	31.0	27.0	19.0	24.0	5.50
GSFM6040P-R68M	0.68	M	3.60	3.96	26.0	22.0	16.0	20.5	5.50
GSFM6040P-1R0M	1.00	M	4.90	5.39	23.0	18.0	14.0	19.0	5.20
GSFM6040P-1R5M	1.50	M	6.40	7.04	17.0	13.0	12.0	16.0	5.20
GSFM6040P-2R2M	2.20	M	10.60	11.70	15.9	11.5	8.0	11.0	5.00
GSFM6040P-3R3M	3.30	M	14.10	15.50	12.3	9.6	7.0	9.2	5.00
GSFM6040P-4R7M	4.70	M	21.00	23.10	10.2	8.0	6.0	7.8	5.00
GSFM6040P-5R6M	5.60	M	25.50	28.10	9.8	7.8	5.0	6.7	5.00

\* Test Condition @100KHz , 0.1V<sub>rms</sub> , 25°C Ambient

\* Inductance Tolerance : M = +/-20%

\* I<sub>rms</sub> : Rated Current Loading when temperature rise approximately 40°C

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

\* The part temperature (ambient + temp rise) should not exceed 125°C under worst case operating conditions. Circuit design, component, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.

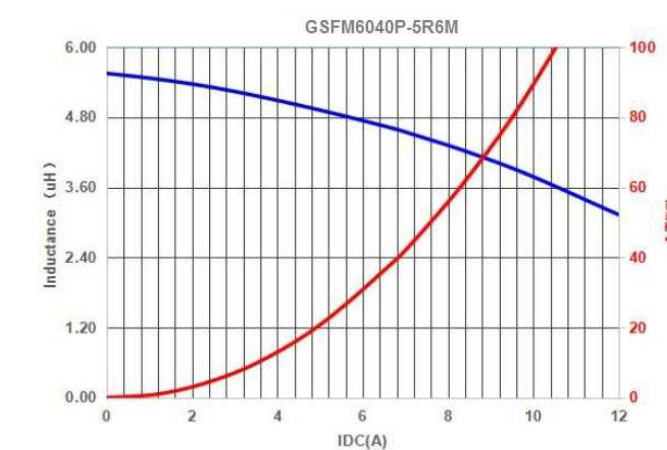
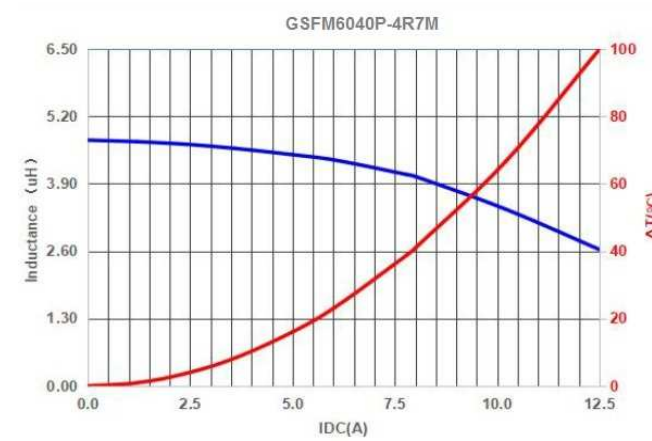
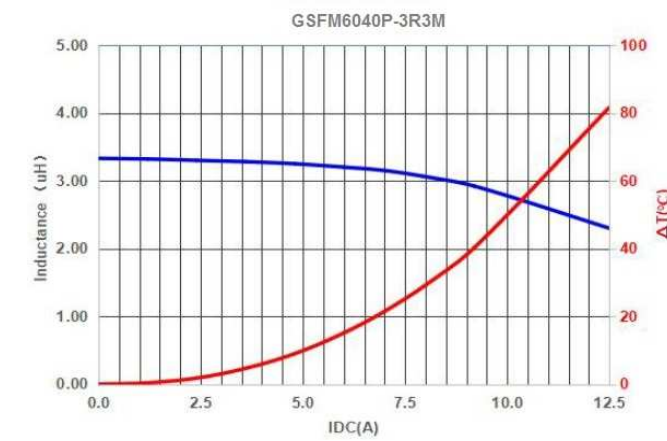
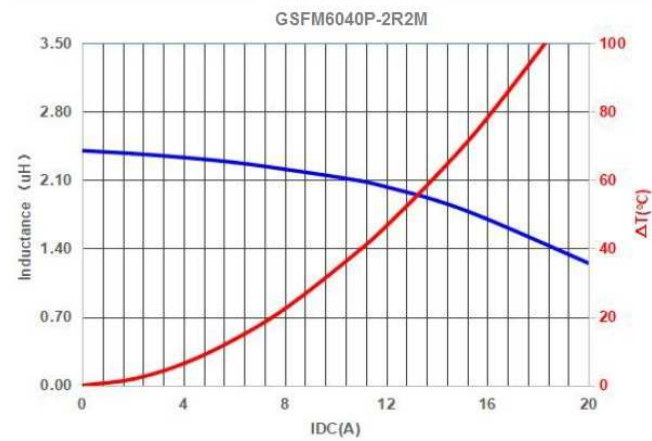
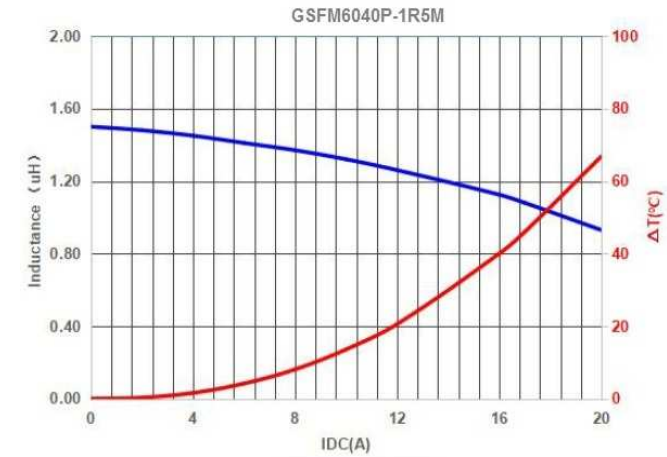
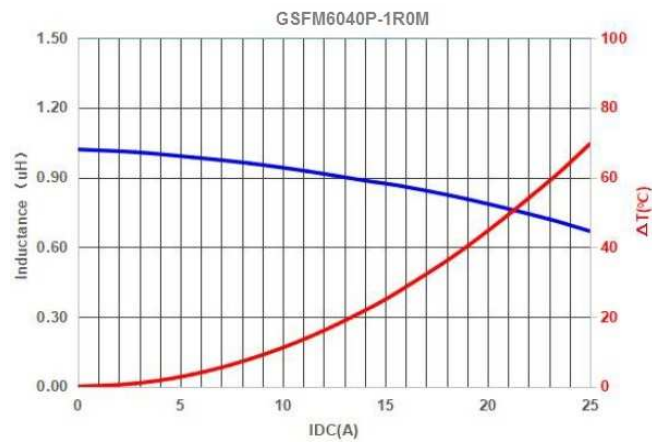
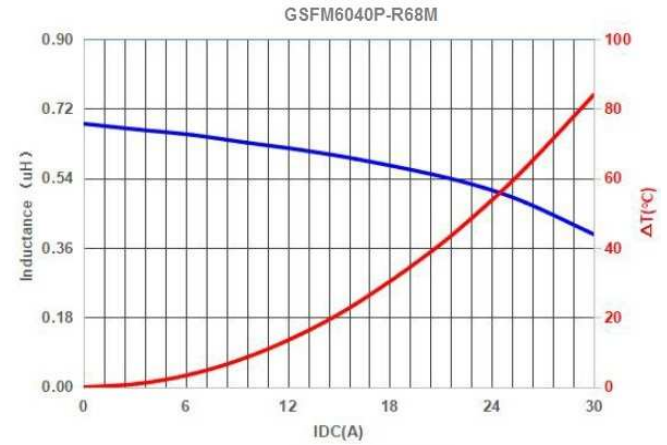
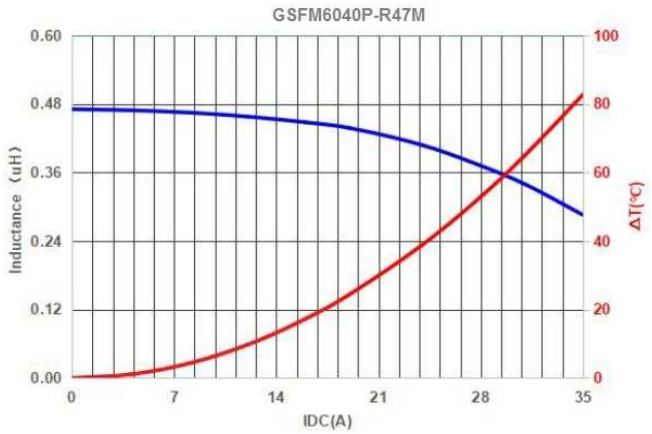
\* Rated operating voltage(across inductor) 40V ref.

<b>Product Series :</b>	<b>GSFM</b>
<b>File Version :</b>	<b>GSFM-SERIES-V1R5</b>
<b>Established Date :</b>	<b>2021.09.22</b>
<b>Latest Edit Date :</b>	<b>2022.08.30</b>

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

## GSFM6040P-SERIES

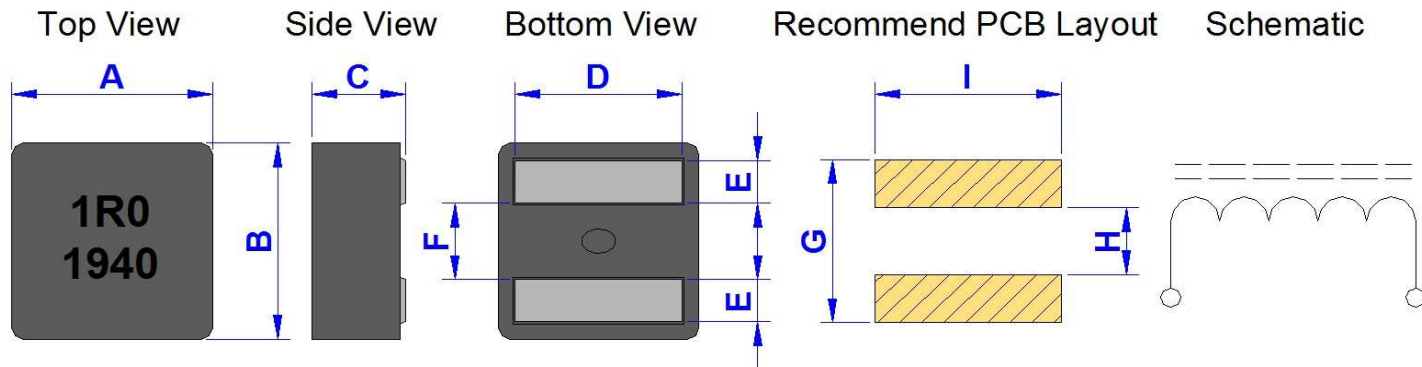
### Typical Performance Curves :



<b>Product Series :</b> GSFM	<b>Brand :</b> GOTREND
<b>File Version :</b> GSFM-SERIES-V1R5	<b>Editor :</b> David Wang
<b>Established Date :</b> 2021.09.22	<b>Description :</b> High Current Inductor
<b>Latest Edit Date :</b> 2022.08.30	<b>Product Type :</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

### GSFM6050P-SERIES

Dimension [ mm ] :



Marking : A. Inductance code & Date code

( 1 ) Year ex. 2020 = 20

( 2 ) Weekly serial number 01 ~ 52

Size	A (+/-0.2)	B (+/-0.2)	C (+/-0.2)	D	E (+/-0.2)	F (+/-0.25)	G(Ref.)	H(Ref.)	I(Ref.)
6050	7.20	6.90	4.80	By Item	1.40	2.60	5.60	2.50	5.60

Electrical Characteristics :

Part No.	Inductance ( uH )	Inductance Tolerance	DCR ( m Ohm )		Isat ( A )		I <sub>rms</sub> ( A ) Typ.		Size D ( mm ) +/-0.3
			Typ.	Max.	Typ.	Max.	20°C	40°C	
GSFM6050P-R82M	0.82	M	3.80	4.18	24.0	20.0	16.0	21.0	5.30
GSFM6050P-1R0M	1.00	M	4.10	4.52	23.0	18.0	15.0	20.0	5.30
GSFM6050P-1R2M	1.20	M	5.30	5.83	22.0	16.0	14.0	18.0	5.30
GSFM6050P-1R5M	1.50	M	5.70	6.30	19.5	14.5	13.0	17.0	5.30
GSFM6050P-1R8M	1.80	M	6.40	7.10	18.5	13.5	12.0	16.0	5.30
GSFM6050P-2R2M	2.20	M	7.70	8.50	16.0	12.0	10.0	13.0	5.20
GSFM6050P-3R3M	3.30	M	11.20	12.50	12.5	10.0	8.5	11.0	5.20
GSFM6050P-4R3M	4.30	M	15.10	16.20	11.0	8.5	7.0	9.0	5.20
GSFM6050P-4R7M	4.70	M	16.70	18.40	10.5	8.4	6.5	8.5	5.20
GSFM6050P-5R6M	5.60	M	20.00	22.00	10.0	8.3	5.7	7.0	5.20
GSFM6050P-6R8M	6.80	M	23.10	25.40	9.0	7.0	5.2	6.6	5.20
GSFM6050P-8R2M	8.20	M	28.60	31.50	8.0	6.8	4.5	6.2	5.20

\* Test Condition @100KHz , 0.1Vrms , 25°C Ambient

\* Inductance Tolerance : M = +/-20%

\* I<sub>rms</sub> : Rated Current Loading when temperature rise approximately 40°C

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

\* The part temperature (ambient + temp rise) should not exceed 125°C under worst case operating conditions. Circuit design, component, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.

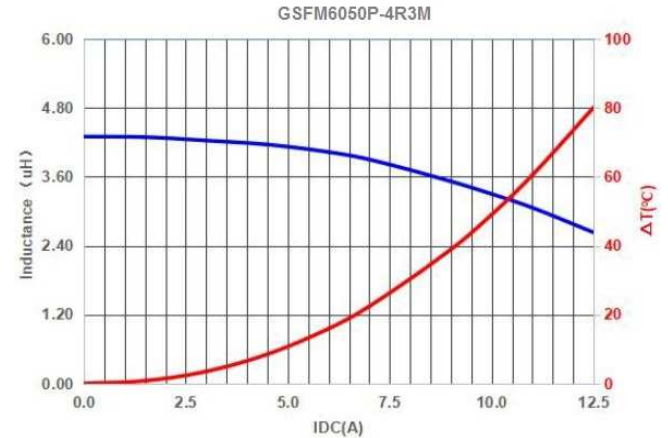
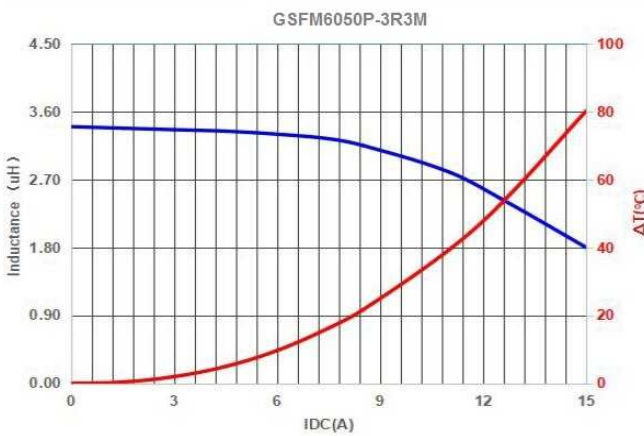
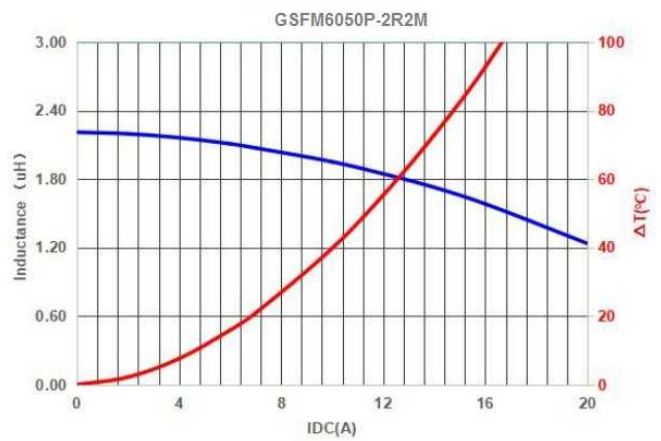
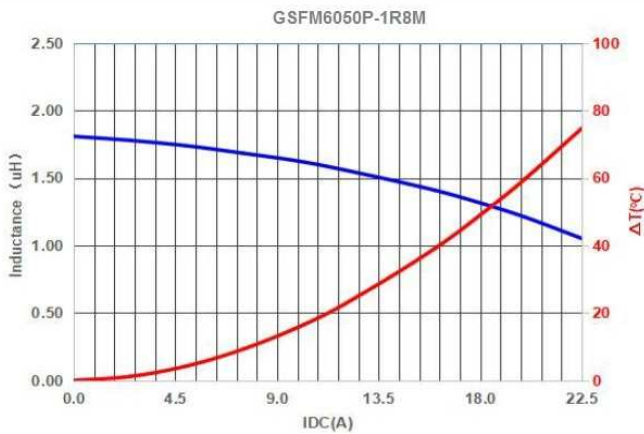
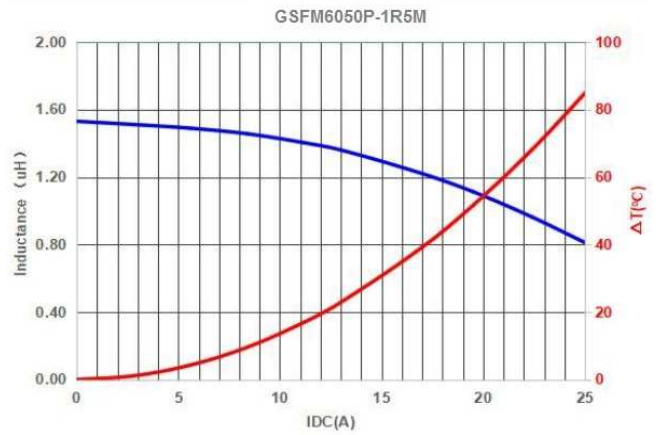
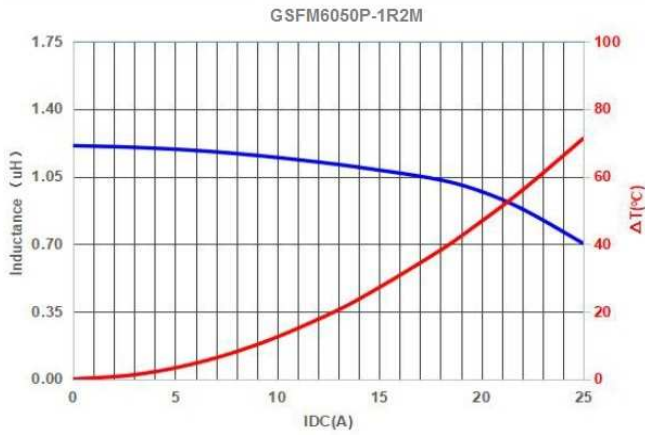
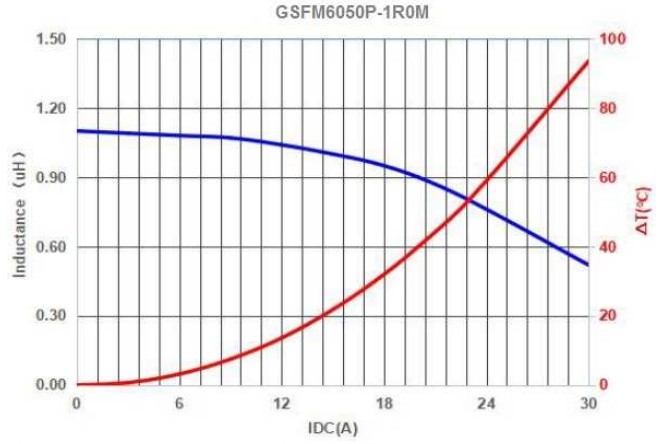
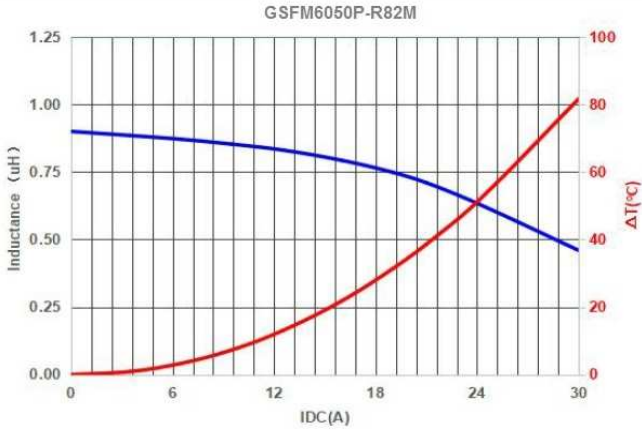
\* Rated operating voltage(across inductor) 40V ref.

<b>Product Series :</b>	<b>GSFM</b>
<b>File Version :</b>	<b>GSFM-SERIES-V1R5</b>
<b>Established Date :</b>	<b>2021.09.22</b>
<b>Latest Edit Date :</b>	<b>2022.08.30</b>

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

## GSFM6050P-SERIES

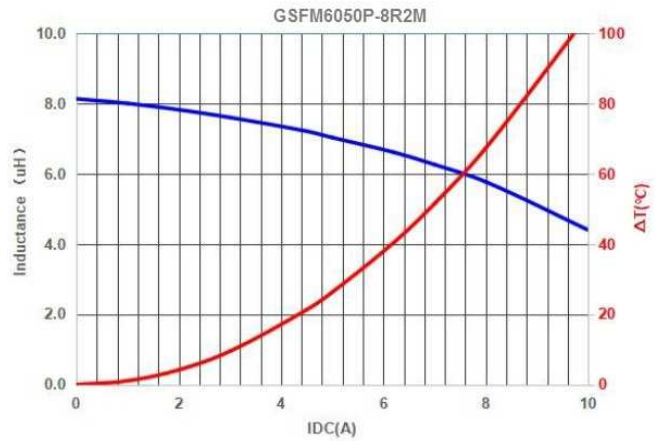
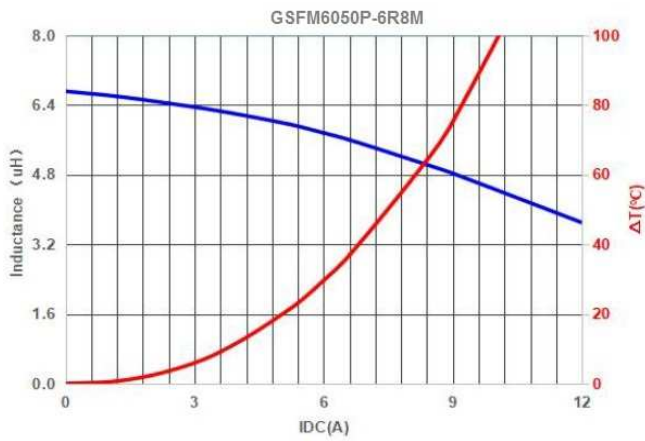
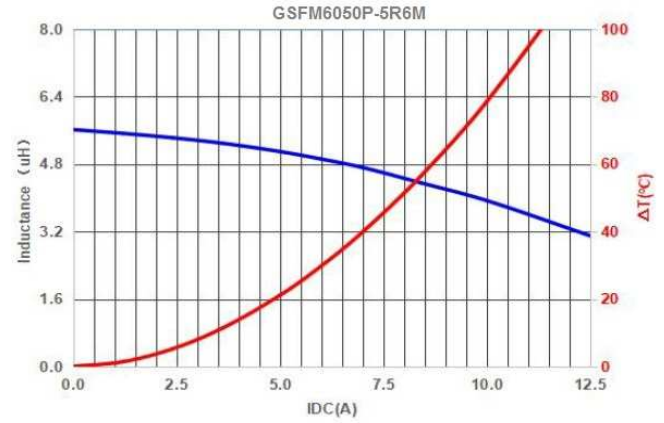
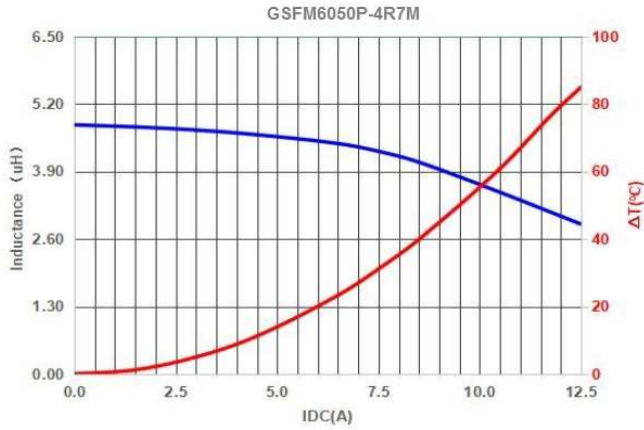
### Typical Performance Curves :



<b>Product Series :</b> GSFM	<b>Brand :</b> GOTREND
<b>File Version :</b> GSFM-SERIES-V1R5	<b>Editor :</b> David Wang
<b>Established Date :</b> 2021.09.22	<b>Description :</b> High Current Inductor
<b>Latest Edit Date :</b> 2022.08.30	<b>Product Type :</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

## GSFM6050P-SERIES

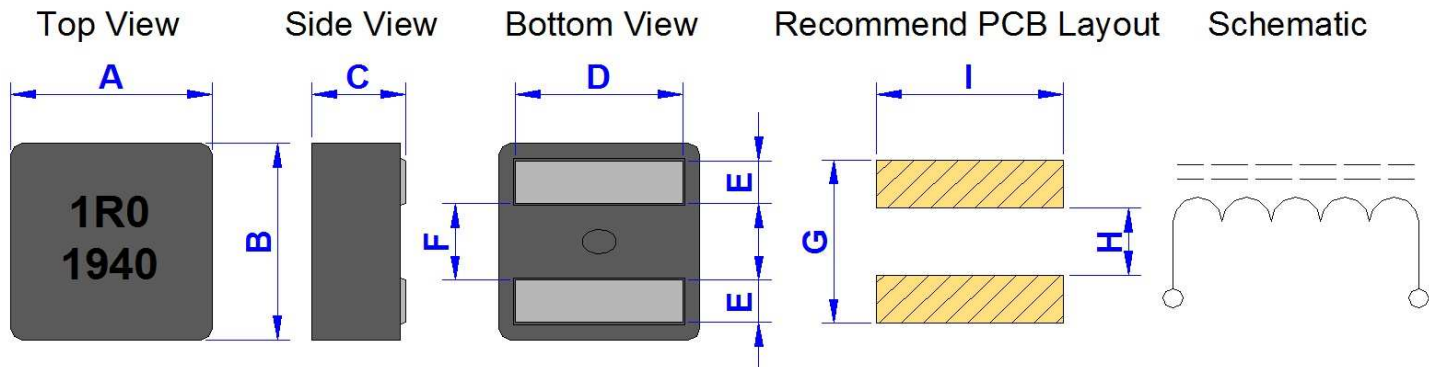
### Typical Performance Curves :



<b>Product Series :</b> GSFM	<b>Brand :</b> GOTREND
<b>File Version :</b> GSFM-SERIES-V1R5	<b>Editor :</b> David Wang
<b>Established Date :</b> 2021.09.22	<b>Description :</b> High Current Inductor
<b>Latest Edit Date :</b> 2022.08.30	<b>Product Type :</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

### GSFM6060P-SERIES

Dimension [ mm ] :



**Marking : A. Inductance code & Date code**  
 ( 1 ) Year ex. 2020 = 20  
 ( 2 ) Weekly serial number 01 ~ 52

Size	A (+/-0.2)	B (+/-0.2)	C (+/-0.2)	D (+/-0.3)	E (+/-0.2)	F (+/-0.25)	G(Ref.)	H(Ref.)	I(Ref.)
6060	7.20	6.90	5.80	5.30	1.40	2.60	5.60	2.50	5.60

### Electrical Characteristics :

Part No.	Inductance ( uH )	Inductance Tolerance	DCR ( m Ohm )		Isat ( A )		Irms ( A ) Typ.	
			Typ.	Max.	Typ.	Max.	20°C	40°C
GSFM6060P-1R0M	1.00	M	4.00	4.40	24.0	19.0	16.0	21.0
GSFM6060P-1R5M	1.50	M	5.50	6.10	20.0	15.0	13.5	17.5
GSFM6060P-2R2M	2.20	M	7.30	8.10	16.5	12.5	11.0	14.0
GSFM6060P-3R3M	3.30	M	11.10	12.30	13.0	11.0	9.0	12.0
GSFM6060P-4R7M	4.70	M	15.10	16.20	11.5	9.5	8.5	11.0
GSFM6060P-5R6M	5.60	M	18.20	20.00	10.6	9.1	7.6	10.0

\* Test Condition @100KHz , 0.1Vrms , 25°C Ambient

\* Inductance Tolerance : M = +/-20%

\* Irms : Rated Current Loading when temperature rise approximately 40°C

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

\* The part temperature (ambient + temp rise) should not exceed 125°C under worst case operating conditions. Circuit design, component, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.

\* Rated operating voltage(across inductor) 40V ref.

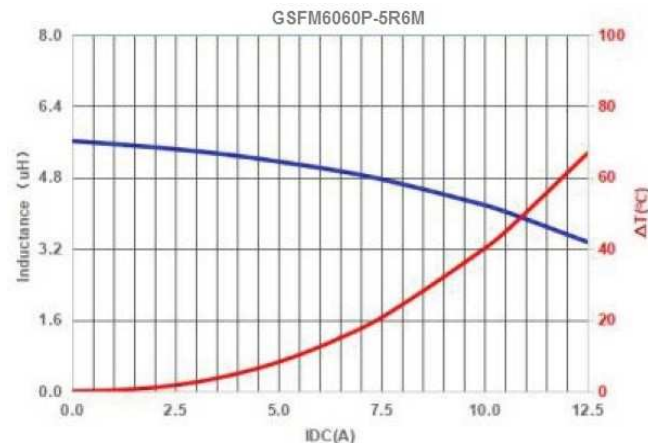
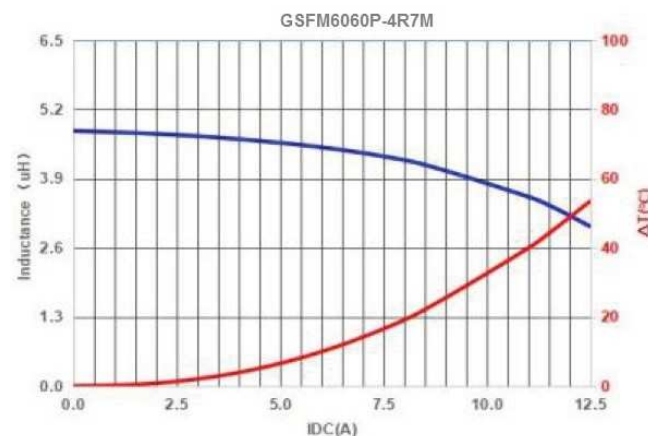
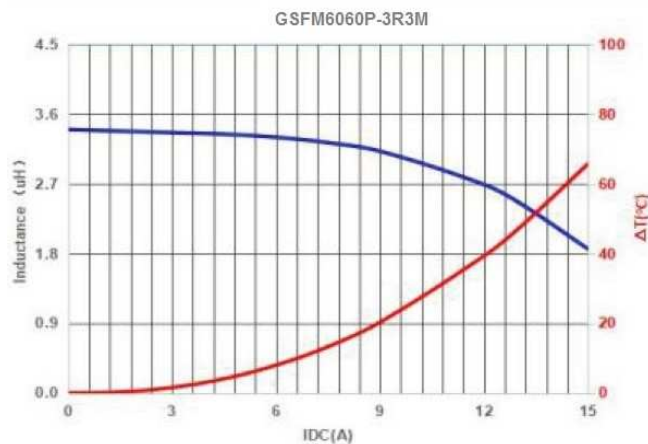
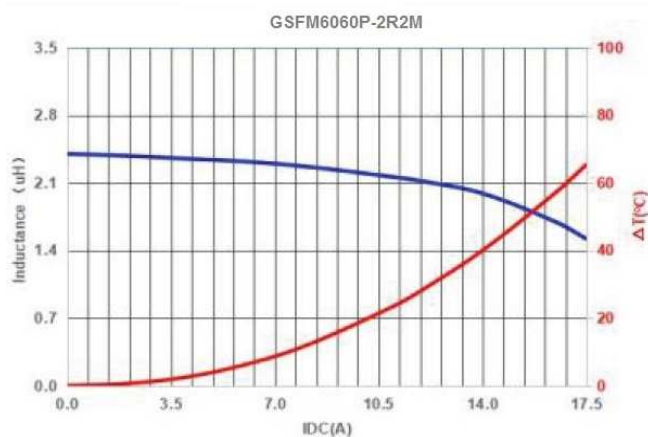
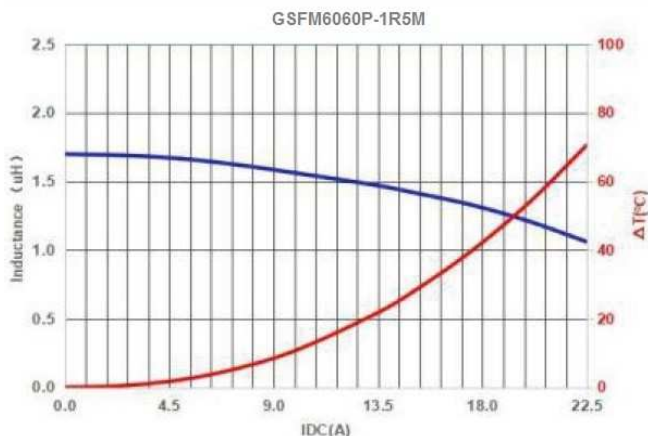
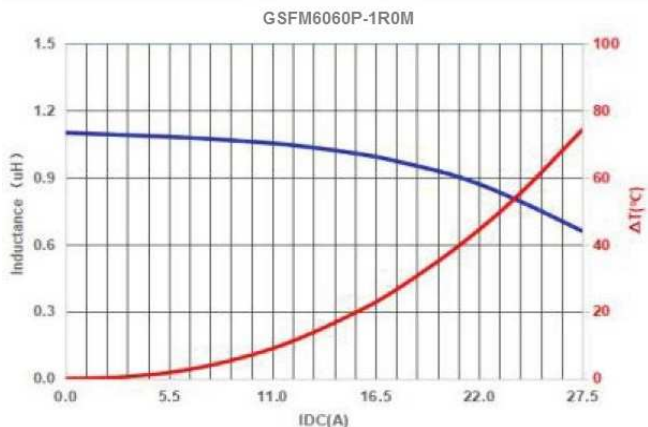


<b>Product Series :</b>	<b>GSFM</b>
<b>File Version :</b>	<b>GSFM-SERIES-V1R5</b>
<b>Established Date :</b>	<b>2021.09.22</b>
<b>Latest Edit Date :</b>	<b>2022.08.30</b>

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

### GSFM6060P-SERIES

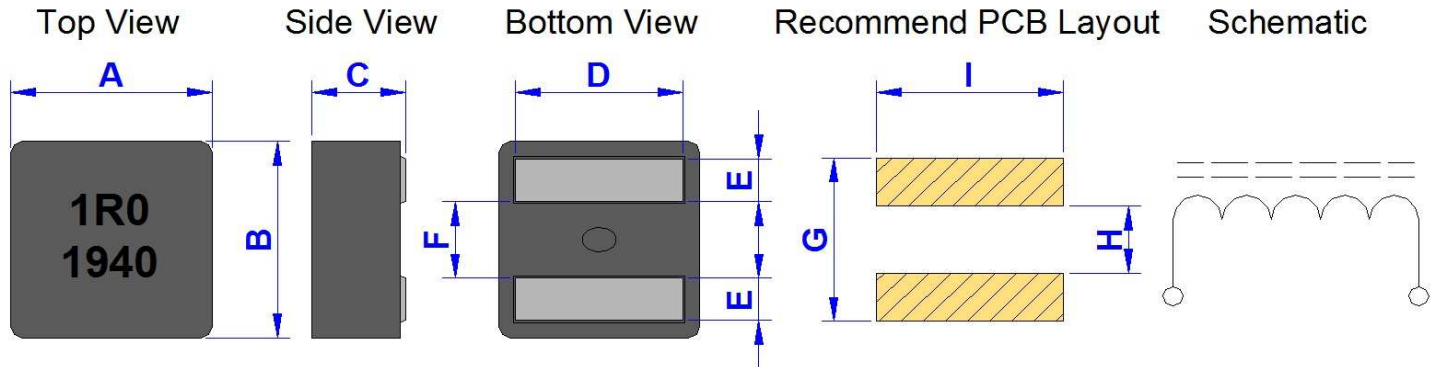
#### Typical Performance Curves :



<b>Product Series :</b> GSFM	<b>Brand :</b> GOTREND
<b>File Version :</b> GSFM-SERIES-V1R5	<b>Editor :</b> David Wang
<b>Established Date :</b> 2021.09.22	<b>Description :</b> High Current Inductor
<b>Latest Edit Date :</b> 2022.08.30	<b>Product Type :</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

### GSFM6060PL-SERIES

Dimension [ mm ] :



**Marking : A. Inductance code & Date code**  
 ( 1 ) Year ex. 2020 = 20  
 ( 2 ) Weekly serial number 01 ~ 52

Size	A (+/-0.2)	B (+/-0.2)	C (+/-0.2)	D (+/-0.3)	E (+/-0.2)	F (+/-0.25)	G(Ref.)	H(Ref.)	I(Ref.)
6060	7.20	6.90	5.80	5.30	1.40	2.60	5.60	2.50	5.60

### Electrical Characteristics :

Part No.	Inductance ( uH )	Inductance Tolerance	DCR ( m Ohm )		Isat ( A )		Irms ( A ) Typ.	
			Typ.	Max.	Typ.	Max.	20°C	40°C
GSFM6060PL-1R0M	1.00	M	3.90	4.29	18.0	16.0	15.0	19.0
GSFM6060PL-1R5M	1.50	M	5.10	5.61	16.0	14.0	13.0	16.0
GSFM6060PL-2R2M	2.20	M	7.00	7.80	14.0	12.0	11.0	14.0
GSFM6060PL-3R3M	3.30	M	11.00	12.10	11.5	10.5	9.0	12.0
GSFM6060PL-4R7M	4.70	M	13.10	14.40	10.5	9.5	8.0	11.0
GSFM6060PL-5R6M	5.60	M	14.30	15.80	10.0	9.0	7.5	10.0
GSFM6060PL-6R8M	6.80	M	18.90	20.80	9.2	8.7	7.0	9.0
GSFM6060PL-8R2M	8.20	M	22.50	24.80	8.5	8.0	6.0	8.0

\* Test Condition @100KHz , 0.1Vrms , 25°C Ambient

\* Inductance Tolerance : M = +/-20%

\* Irms : Rated Current Loading when temperature rise approximately 40°C

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

\* The part temperature (ambient + temp rise) should not exceed 125°C under worst case operating conditions. Circuit design, component, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.

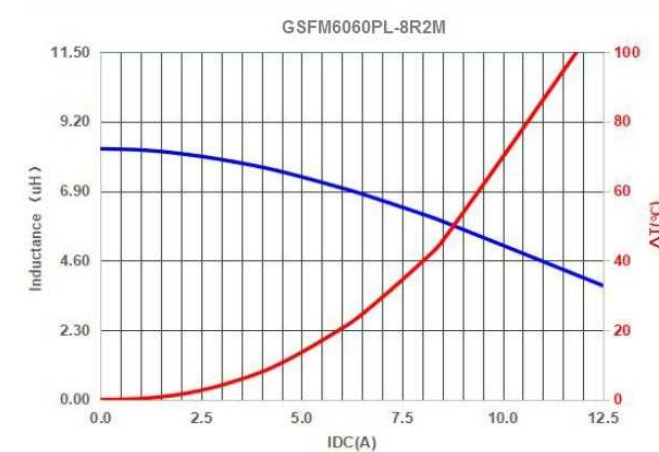
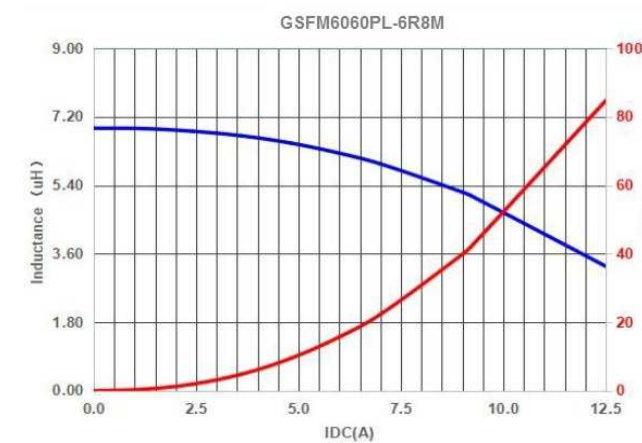
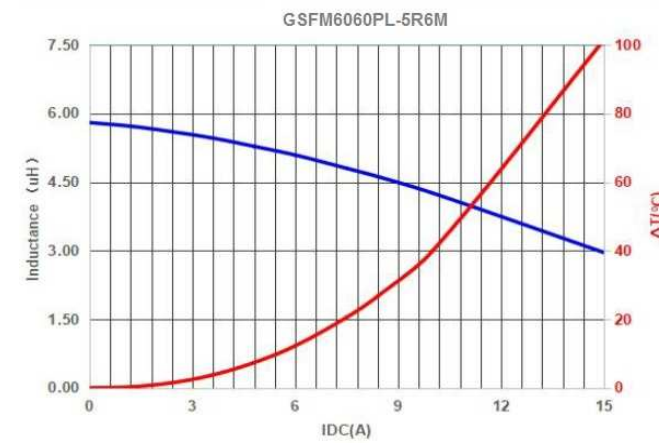
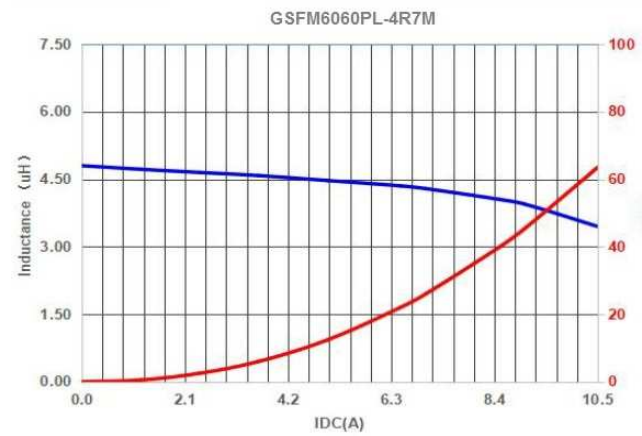
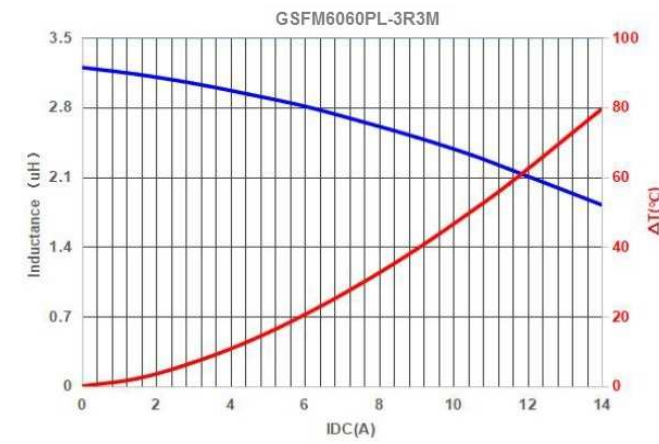
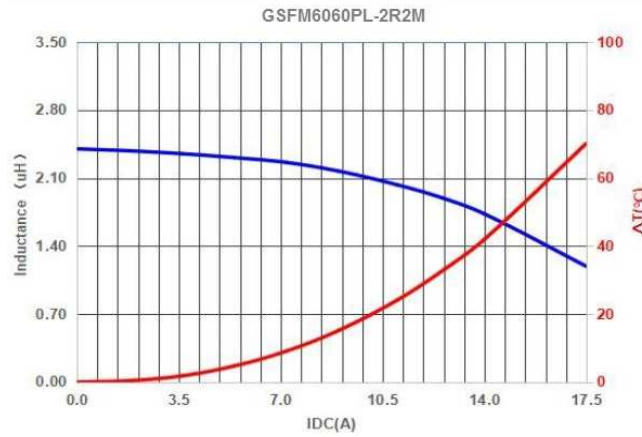
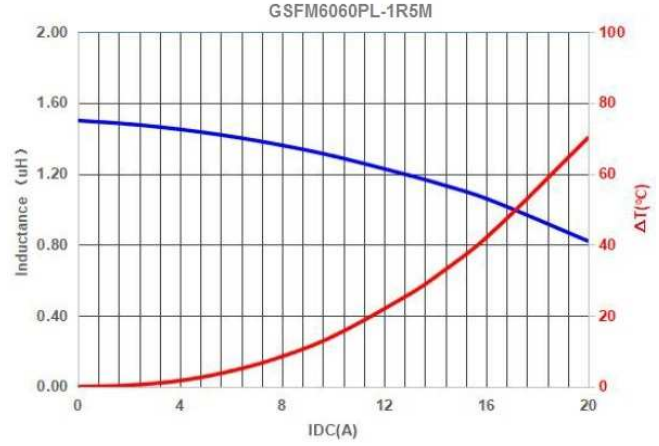
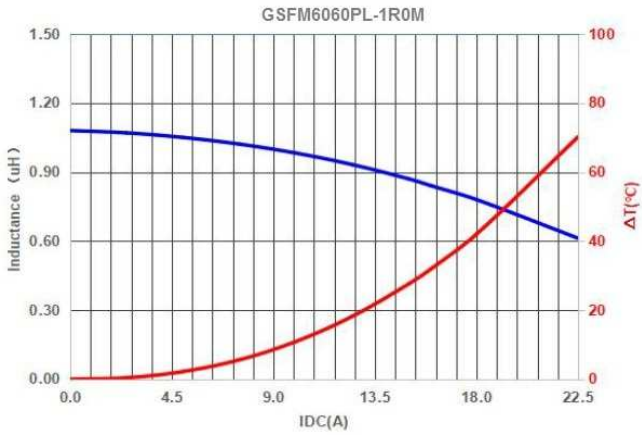
\* Rated operating voltage(across inductor) 15V ref.

<b>Product Series :</b>	<b>GSFM</b>
<b>File Version :</b>	<b>GSFM-SERIES-V1R5</b>
<b>Established Date :</b>	<b>2021.09.22</b>
<b>Latest Edit Date :</b>	<b>2022.08.30</b>

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

## GSFM6060PL-SERIES

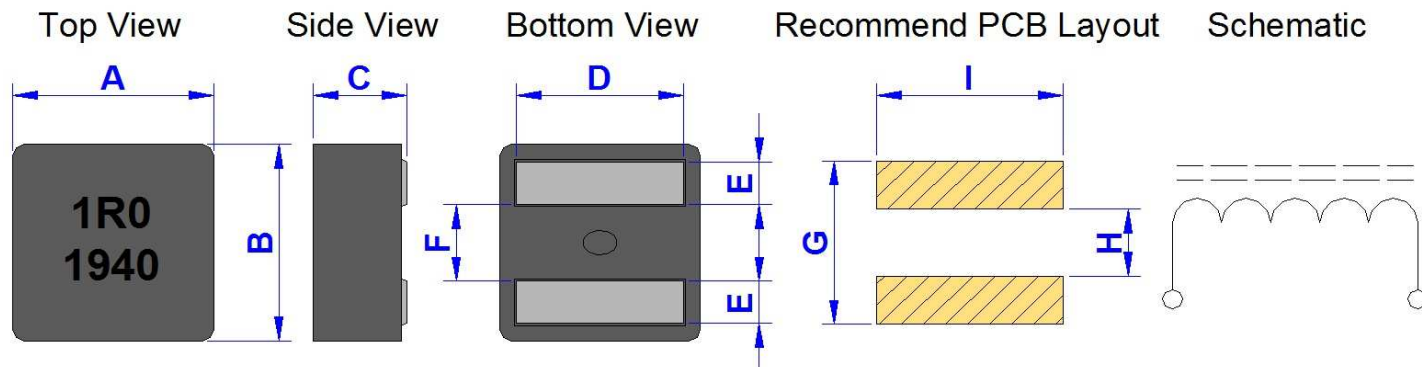
### Typical Performance Curves :



<b>Product Series :</b> GSFM	<b>Brand :</b> GOTREND
<b>File Version :</b> GSFM-SERIES-V1R5	<b>Editor :</b> David Wang
<b>Established Date :</b> 2021.09.22	<b>Description :</b> High Current Inductor
<b>Latest Edit Date :</b> 2022.08.30	<b>Product Type :</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

### GSFM7020P-SERIES

Dimension [ mm ] :



**Marking :** A. Inductance code & Date code

( 1 ) Year ex. 2020 = 20

( 2 ) Weekly serial number 01 ~ 52

Size	A (+/-0.3)	B (+/-0.3)	C (+/-0.2)	D	E (+/-0.2)	F (+/-0.25)	G(Ref.)	H(Ref.)	I(Ref.)
7020	8.40	8.00	1.85	By Item	1.75	3.15	7.40	2.80	7.20

**Electrical Characteristics :**

Part No.	Inductance ( uH )	Inductance Tolerance	DCR ( m Ohm )		Isat ( A )		I <sub>rms</sub> ( A ) Typ.		Size D ( mm ) +/-0.3
			Typ.	Max.	Typ.	Max.	20°C	40°C	
GSFM7020P-R15M	0.15	M	1.90	2.50	51.0	46.0	18.0	24.0	6.60
GSFM7020P-R27M	0.27	M	2.90	3.50	35.0	32.0	16.0	21.0	6.60
GSFM7020P-R31M	0.31	M	4.00	4.80	34.0	31.0	14.0	20.0	6.20
GSFM7020P-R33M	0.33	M	4.00	4.80	34.0	31.0	13.0	19.0	6.20
GSFM7020P-R47M	0.47	M	5.10	6.20	28.0	25.0	12.0	17.0	6.20
GSFM7020P-R68M	0.68	M	7.90	9.20	25.0	23.0	10.0	13.0	6.20
GSFM7020P-1R0M	1.00	M	9.80	10.80	23.0	20.0	8.0	11.0	6.20
GSFM7020P-1R2M	1.20	M	11.50	12.80	21.0	18.0	7.0	10.0	6.20
GSFM7020P-1R5M	1.50	M	16.00	17.60	17.0	15.0	6.0	9.0	6.20
GSFM7020P-1R8M	1.80	M	18.00	19.80	15.0	13.0	5.5	8.0	6.20

\* Test Condition @100KHz , 0.1V<sub>rms</sub> , 25°C Ambient

\* Inductance Tolerance : M = +/-20%

\* I<sub>rms</sub> : Rated Current Loading when temperature rise approximately 40°C

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

\* The part temperature (ambient + temp rise) should not exceed 125°C under worst case operating conditions. Circuit design, component, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.

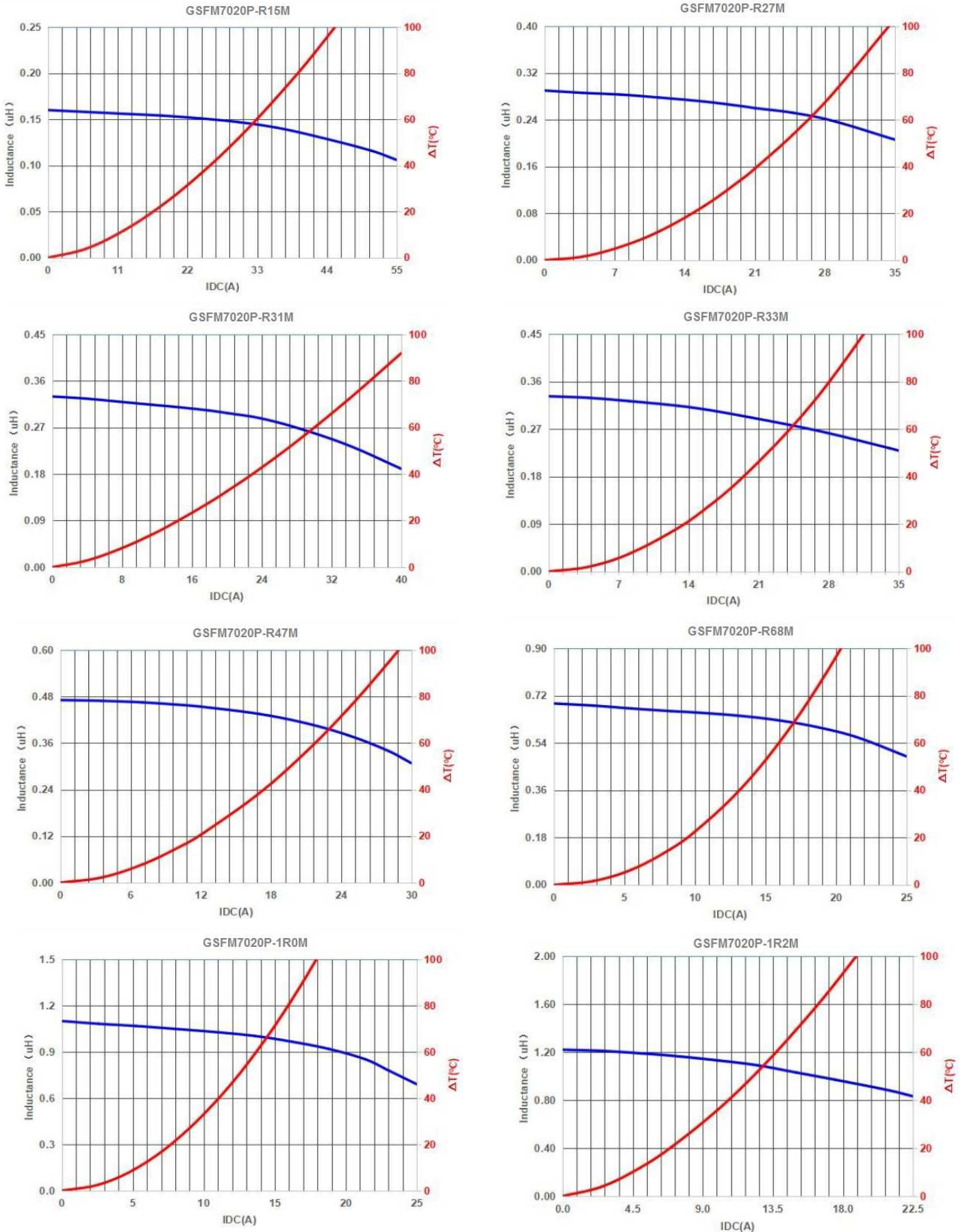
\* Rated operating voltage(across inductor) 40V ref.

<b>Product Series :</b>	<b>GSFM</b>
<b>File Version :</b>	<b>GSFM-SERIES-V1R5</b>
<b>Established Date :</b>	<b>2021.09.22</b>
<b>Latest Edit Date :</b>	<b>2022.08.30</b>

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

## GSFM7020P-SERIES

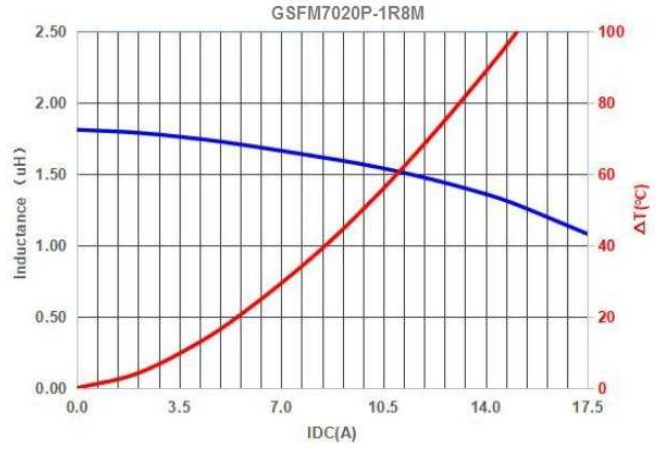
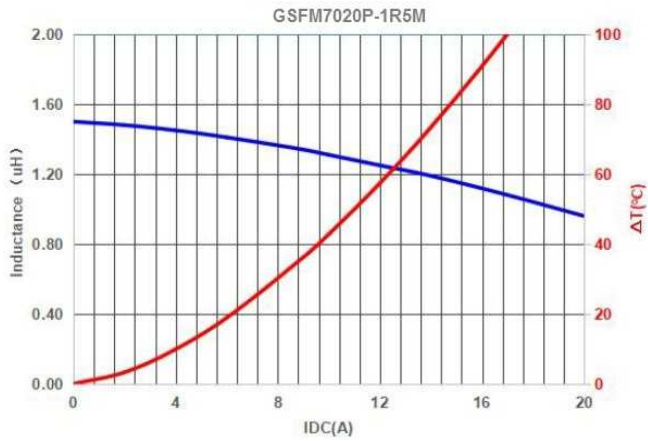
### Typical Performance Curves :



<b>Product Series :</b> GSFM	<b>Brand :</b> GOTREND
<b>File Version :</b> GSFM-SERIES-V1R5	<b>Editor :</b> David Wang
<b>Established Date :</b> 2021.09.22	<b>Description :</b> High Current Inductor
<b>Latest Edit Date :</b> 2022.08.30	<b>Product Type :</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

### GSFM7020P-SERIES

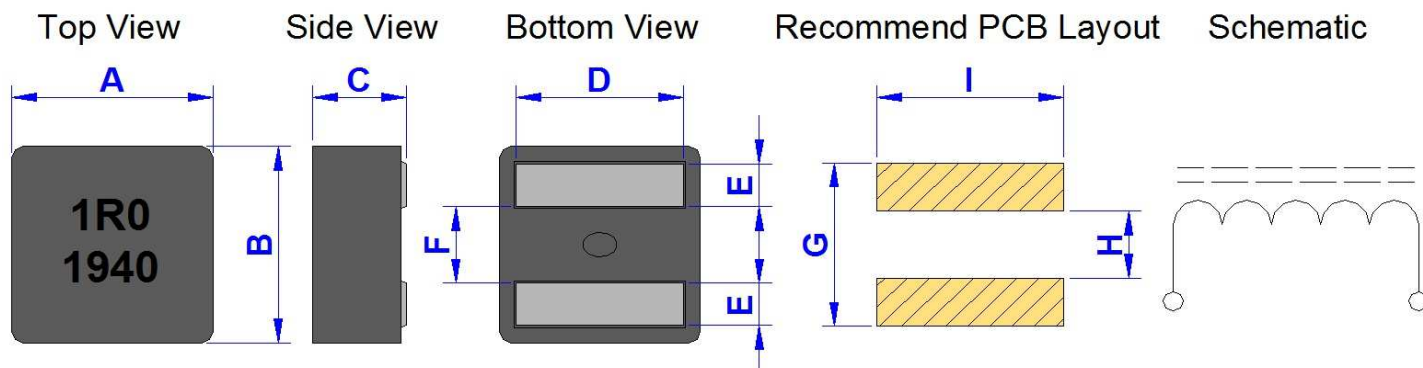
#### Typical Performance Curves :



<b>Product Series :</b> GSFM	<b>Brand :</b> GOTREND
<b>File Version :</b> GSFM-SERIES-V1R5	<b>Editor :</b> David Wang
<b>Established Date :</b> 2021.09.22	<b>Description :</b> High Current Inductor
<b>Latest Edit Date :</b> 2022.08.30	<b>Product Type :</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

### GSFM7030P-SERIES

Dimension [ mm ] :



**Marking : A. Inductance code & Date code**

( 1 ) Year ex. 2020 = 20

( 2 ) Weekly serial number 01 ~ 52

Size	A (+/-0.3)	B (+/-0.3)	C (+/-0.2)	D	E (+/-0.2)	F (+/-0.25)	G(Ref.)	H(Ref.)	I(Ref.)
7030	8.40	8.00	2.90	By Item	1.75	3.15	7.40	2.80	7.20

### Electrical Characteristics :

Part No.	Inductance ( uH )	Inductance Tolerance	DCR ( m Ohm )		Isat ( A )		I <sub>rms</sub> ( A ) Typ.		Size D ( mm ) +/-0.3
			Typ.	Max.	Typ.	Max.	20°C	40°C	
GSFM7030P-R60M	0.60	M	2.90	3.20	36.0	32.0	18.0	23.0	6.60
GSFM7030P-1R0M	1.00	M	4.55	5.00	30.0	28.0	16.1	21.8	6.60
GSFM7030P-1R5M	1.50	M	7.50	8.25	25.0	23.5	12.0	15.3	6.60
GSFM7030P-2R2M	2.20	M	12.40	13.70	19.0	17.0	10.0	13.0	6.20
GSFM7030P-2R7M	2.70	M	14.00	15.40	16.0	13.5	9.2	11.4	6.20
GSFM7030P-3R3M	3.30	M	16.30	18.00	15.0	13.0	8.0	10.0	6.20
GSFM7030P-4R7M	4.70	M	24.20	26.70	13.5	12.2	6.9	9.0	6.20
GSFM7030P-5R6M	5.60	M	30.10	33.20	12.5	11.5	5.3	7.3	6.20

\* Test Condition @100KHz , 0.1Vrms , 25°C Ambient

\* Inductance Tolerance : M = +/-20%

\* I<sub>rms</sub> : Rated Current Loading when temperature rise approximately 40°C

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

\* The part temperature (ambient + temp rise) should not exceed 125°C under worst case operating conditions. Circuit design, component, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.

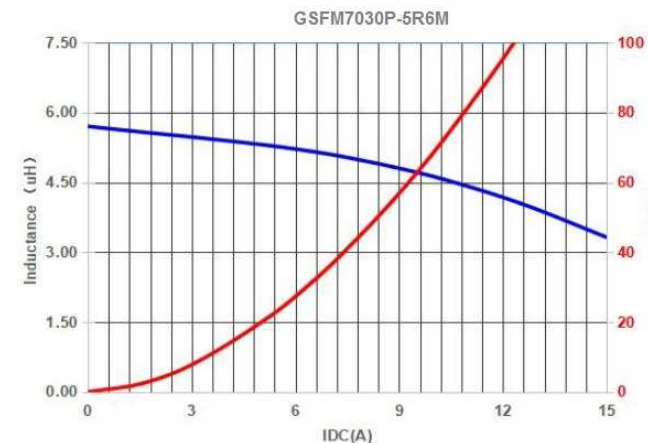
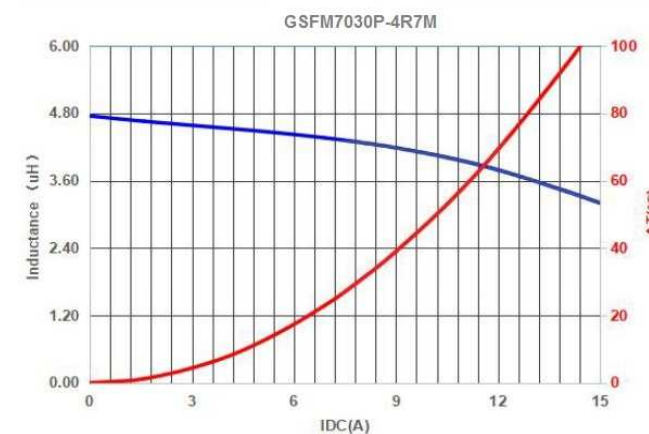
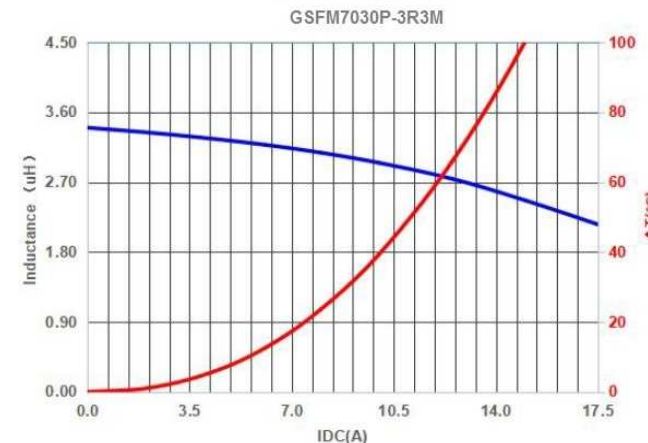
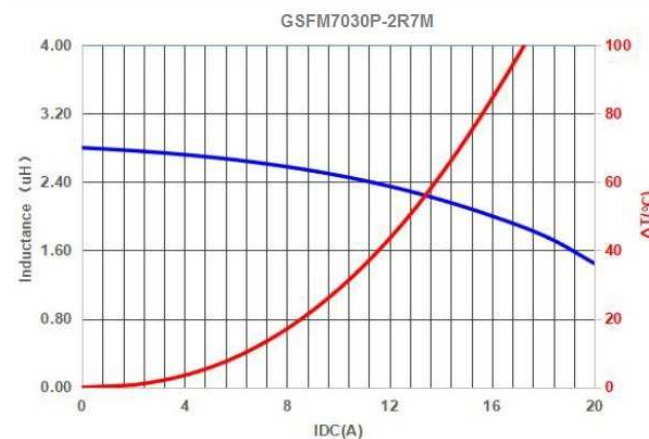
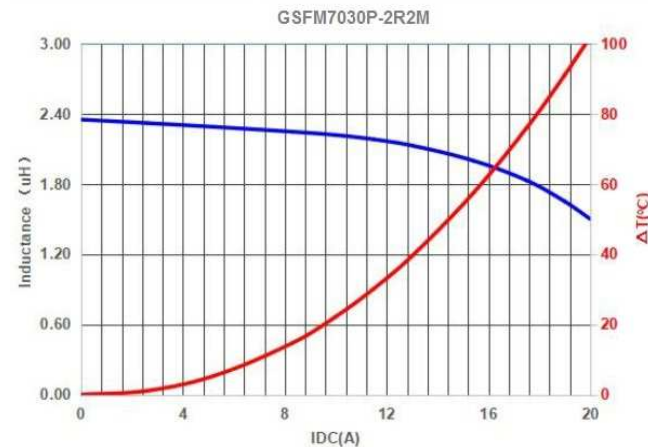
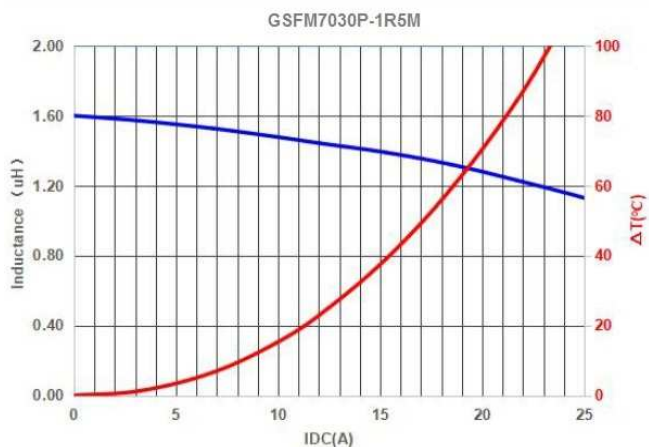
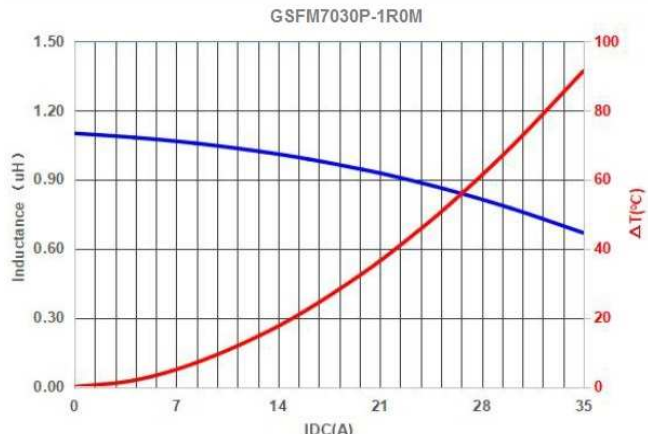
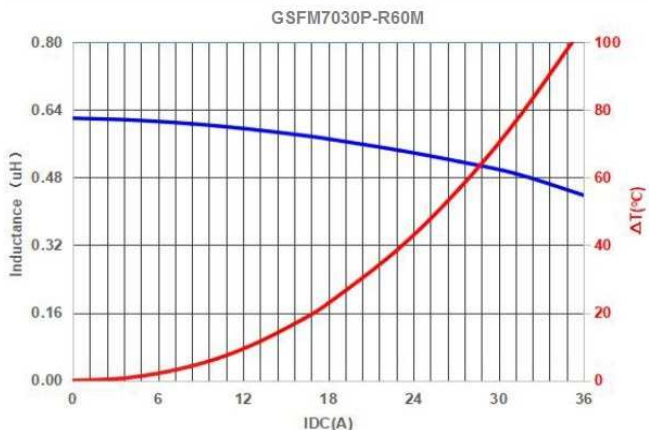
\* Rated operating voltage(across inductor) 40V ref.

<b>Product Series :</b>	<b>GSFM</b>
<b>File Version :</b>	<b>GSFM-SERIES-V1R5</b>
<b>Established Date :</b>	<b>2021.09.22</b>
<b>Latest Edit Date :</b>	<b>2022.08.30</b>

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

### GSFM7030P-SERIES

#### Typical Performance Curves :

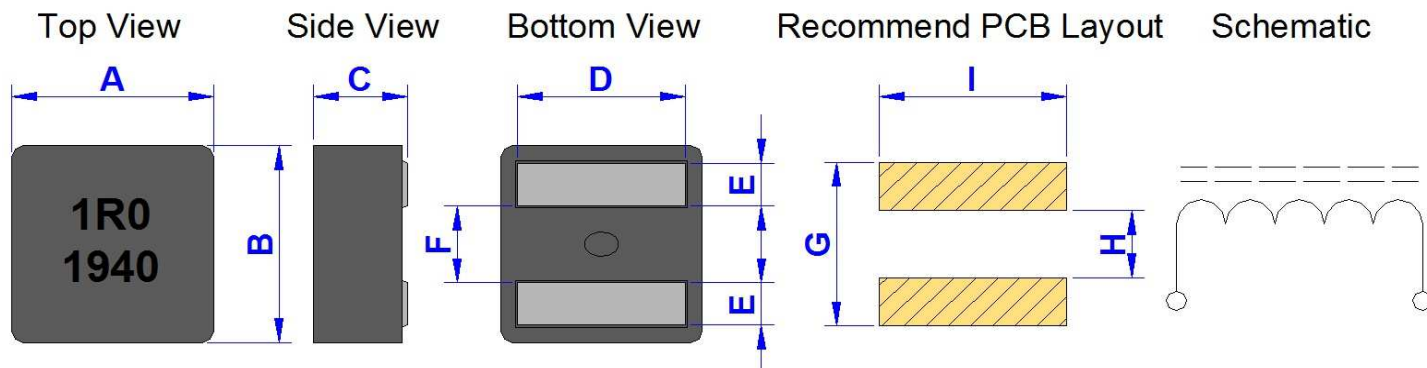




<b>Product Series :</b> GSFM	<b>Brand :</b> GOTREND
<b>File Version :</b> GSFM-SERIES-V1R5	<b>Editor :</b> David Wang
<b>Established Date :</b> 2021.09.22	<b>Description :</b> High Current Inductor
<b>Latest Edit Date :</b> 2022.08.30	<b>Product Type :</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

### GSFM7050P-SERIES

Dimension [ mm ] :



**Marking : A. Inductance code & Date code**  
 ( 1 ) Year ex. 2020 = 20  
 ( 2 ) Weekly serial number 01 ~ 52

Size	A (+/-0.3)	B (+/-0.3)	C (+/-0.2)	D	E (+/-0.2)	F (+/-0.25)	G(Ref.)	H(Ref.)	I(Ref.)
7050	8.40	8.00	4.80	By Item	1.75	3.15	7.40	2.80	7.20

### Electrical Characteristics :

Part No.	Inductance ( uH )	Inductance Tolerance	DCR ( m Ohm )		Isat ( A )		I <sub>rms</sub> ( A ) Typ.		Size D ( mm ) +/-0.3
			Typ.	Max.	Typ.	Max.	20°C	40°C	
GSFM7050P-1R8M	1.80	M	4.20	4.62	25.0	21.0	13.0	16.0	6.50
GSFM7050P-2R2M	2.20	M	5.80	6.40	21.0	17.0	11.0	14.0	6.20
GSFM7050P-3R3M	3.30	M	10.40	11.44	17.0	14.0	10.0	13.0	6.20
GSFM7050P-4R7M	4.70	M	14.00	15.40	15.0	13.0	8.5	11.0	6.20
GSFM7050P-5R6M	5.60	M	15.60	17.20	13.0	11.0	7.0	10.0	6.20

\* Test Condition @100KHz , 0.1V<sub>rms</sub> , 25°C Ambient

\* Inductance Tolerance : M = +/-20%

\* I<sub>rms</sub> : Rated Current Loading when temperature rise approximately 40°C

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

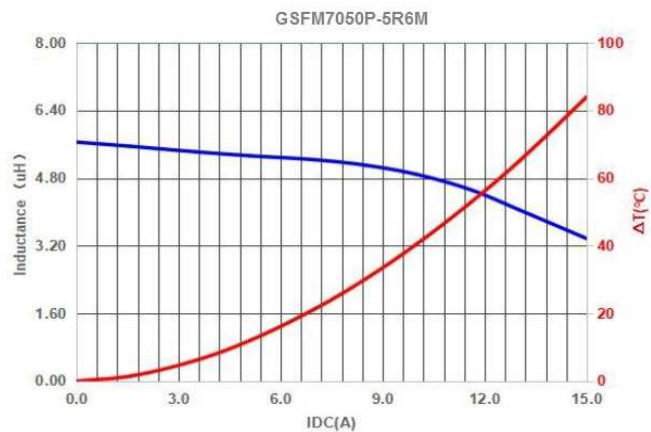
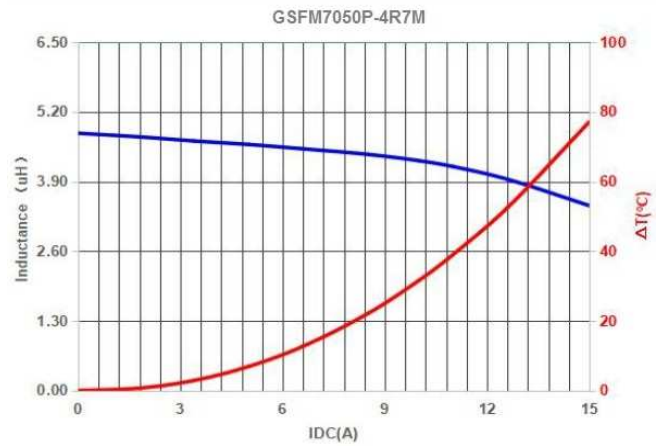
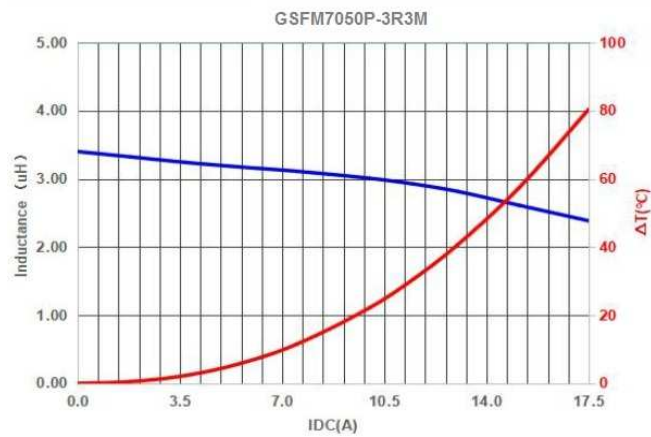
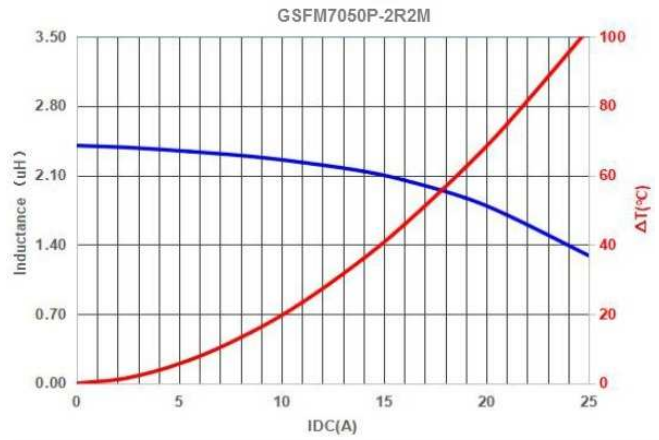
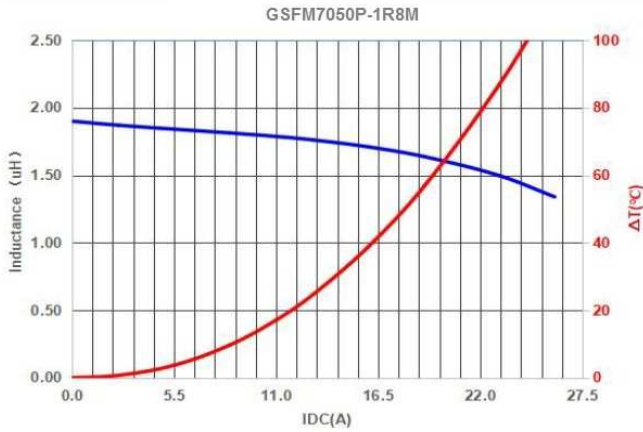
\* The part temperature (ambient + temp rise) should not exceed 125°C under worst case operating conditions. Circuit design, component, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.

\* Rated operating voltage(across inductor) 40V ref.

<b>Product Series :</b> GSFM	<b>Brand :</b> GOTREND
<b>File Version :</b> GSFM-SERIES-V1R5	<b>Editor :</b> David Wang
<b>Established Date :</b> 2021.09.22	<b>Description :</b> High Current Inductor
<b>Latest Edit Date :</b> 2022.08.30	<b>Product Type :</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

## GSFM7050P-SERIES

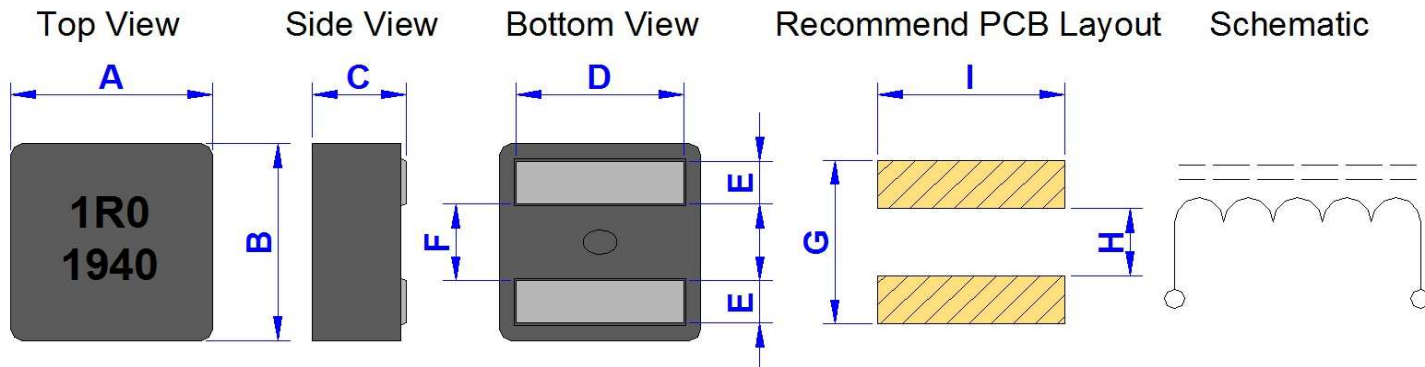
### Typical Performance Curves :



<b>Product Series :</b> GSFM	<b>Brand :</b> GOTREND
<b>File Version :</b> GSFM-SERIES-V1R5	<b>Editor :</b> David Wang
<b>Established Date :</b> 2021.09.22	<b>Description :</b> High Current Inductor
<b>Latest Edit Date :</b> 2022.08.30	<b>Product Type :</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

### GSFM7070P-SERIES

Dimension [ mm ] :



**Marking : A. Inductance code & Date code**

( 1 ) Year ex. 2020 = 20

( 2 ) Weekly serial number 01 ~ 52

Size	A (+/-0.3)	B (+/-0.3)	C (+/-0.3)	D	E (+/-0.2)	F (+/-0.25)	G(Ref.)	H(Ref.)	I(Ref.)
7070	8.40	8.00	6.70	By Item	1.75	3.15	7.80	2.80	6.70

### Electrical Characteristics :

Part No.	Inductance ( uH )	Inductance Tolerance	DCR ( m Ohm )		Isat ( A )		Irms ( A ) Typ.		Size D ( mm ) +/-0.3
			Typ.	Max.	Typ.	Max.	20°C	40°C	
GSFM7070P-1R0M	1.00	M	2.55	2.81	34.8	31.8	20.0	25.0	6.70
GSFM7070P-1R5M	1.50	M	3.75	4.13	28.8	25.8	16.8	22.0	6.70
GSFM7070P-1R8M	1.80	M	4.05	4.46	25.0	23.0	15.8	21.0	6.70
GSFM7070P-2R2M	2.20	M	5.73	6.33	19.6	17.6	13.2	17.8	6.70
GSFM7070P-3R3M	3.30	M	8.56	9.42	19.4	15.1	11.5	15.1	6.70
GSFM7070P-4R7M	4.70	M	12.20	13.50	15.5	14.0	10.5	13.6	6.70
GSFM7070P-5R6M	5.60	M	13.67	15.03	14.1	12.0	8.5	11.4	6.50
GSFM7070P-6R8M	6.80	M	17.80	19.60	12.8	11.0	7.0	9.5	6.50
GSFM7070P-100M	10.0	M	24.00	26.40	10.0	9.0	5.0	7.0	6.50

\* Test Condition @100KHz , 0.1Vrms , 25°C Ambient

\* Inductance Tolerance : M = +/-20%

\* Irms : Rated Current Loading when temperature rise approximately 40°C

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

\* The part temperature (ambient + temp rise) should not exceed 125°C under worst case operating conditions. Circuit design, component, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.

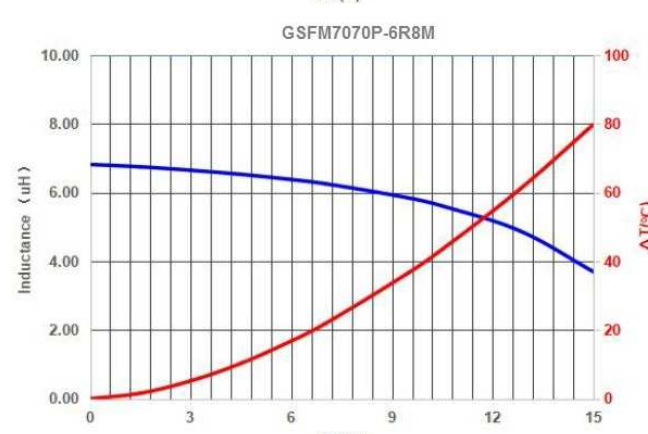
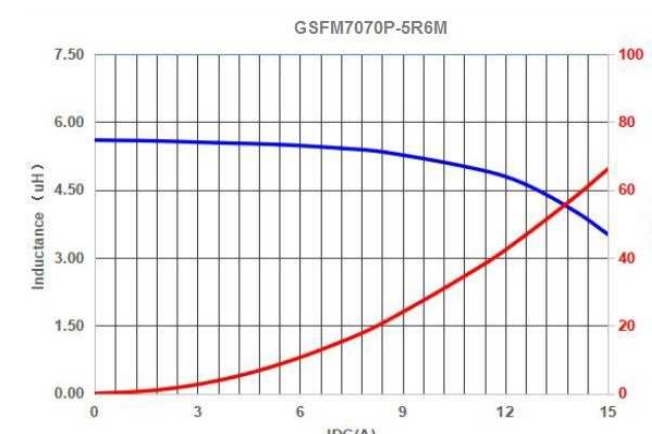
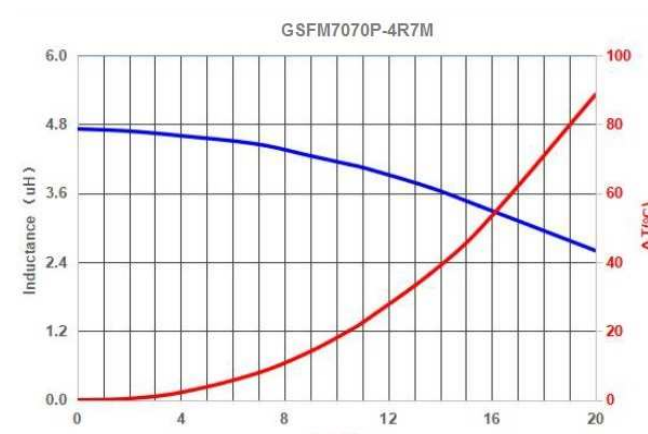
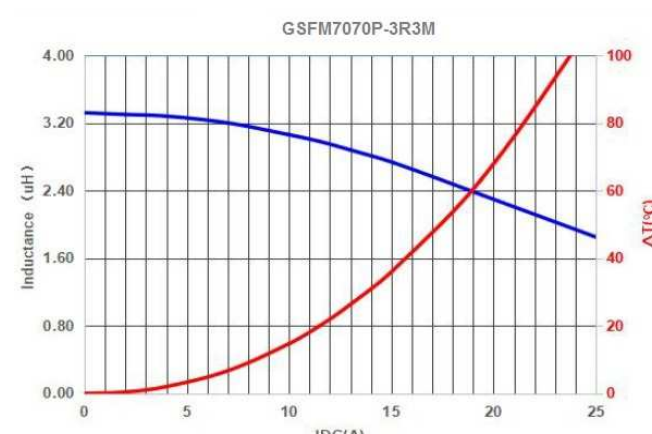
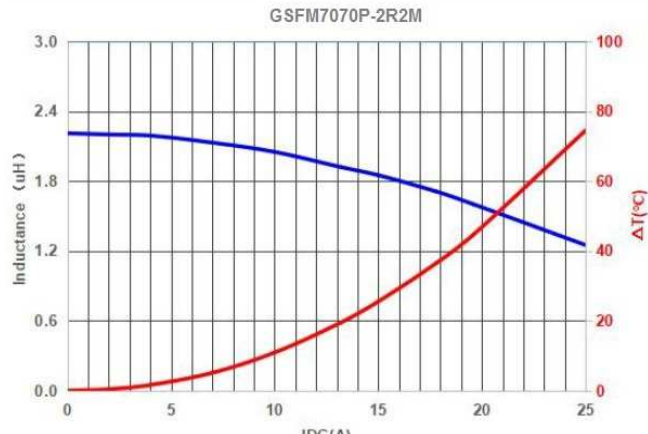
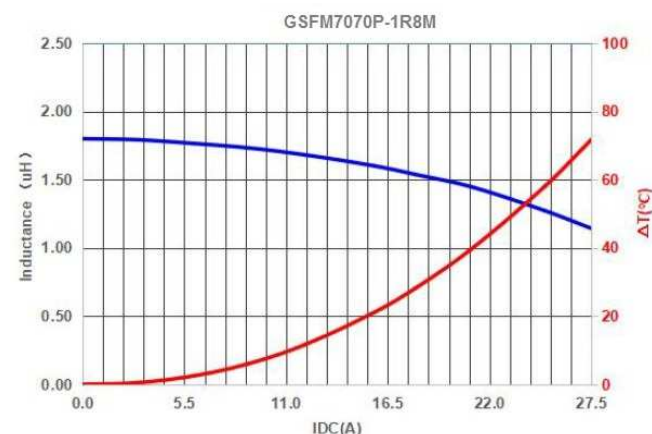
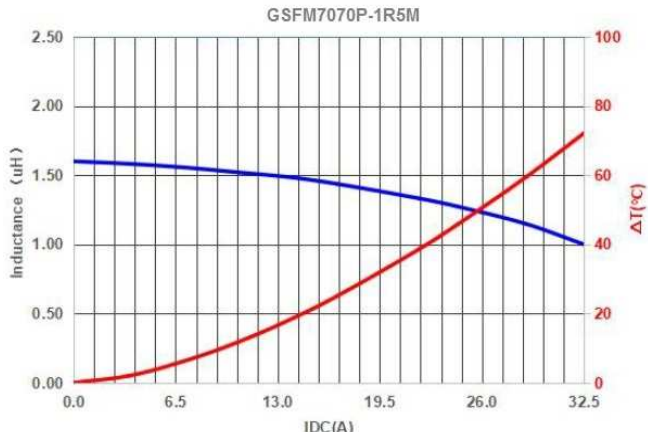
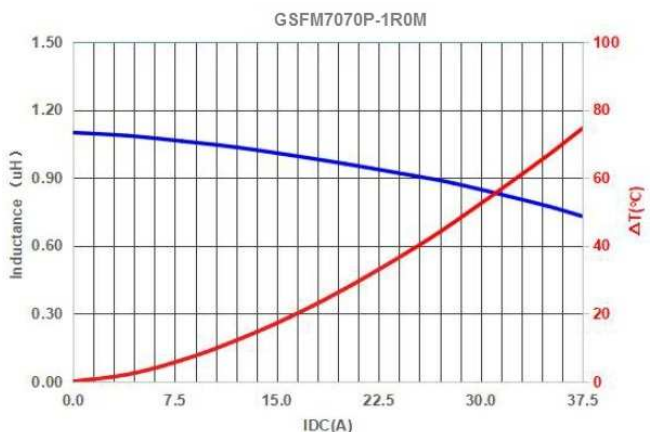
\* Rated operating voltage(across inductor) 40V ref.

<b>Product Series :</b>	<b>GSFM</b>
<b>File Version :</b>	<b>GSFM-SERIES-V1R5</b>
<b>Established Date :</b>	<b>2021.09.22</b>
<b>Latest Edit Date :</b>	<b>2022.08.30</b>

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

### GSFM7070P-SERIES

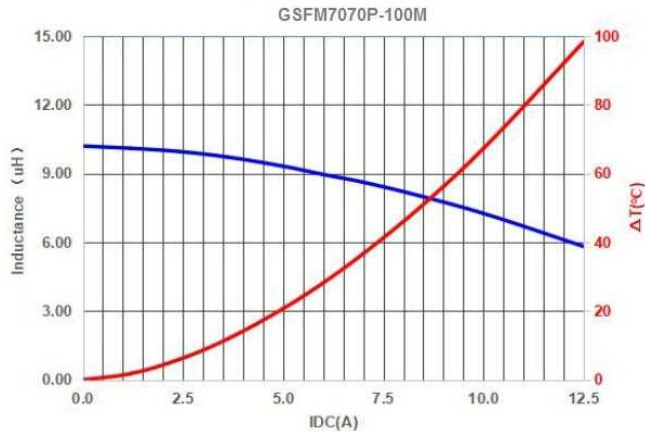
#### Typical Performance Curves :



<b>Product Series :</b> GSFM	<b>Brand :</b> GOTREND
<b>File Version :</b> GSFM-SERIES-V1R5	<b>Editor :</b> David Wang
<b>Established Date :</b> 2021.09.22	<b>Description :</b> High Current Inductor
<b>Latest Edit Date :</b> 2022.08.30	<b>Product Type :</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

### GSFM7070P-SERIES

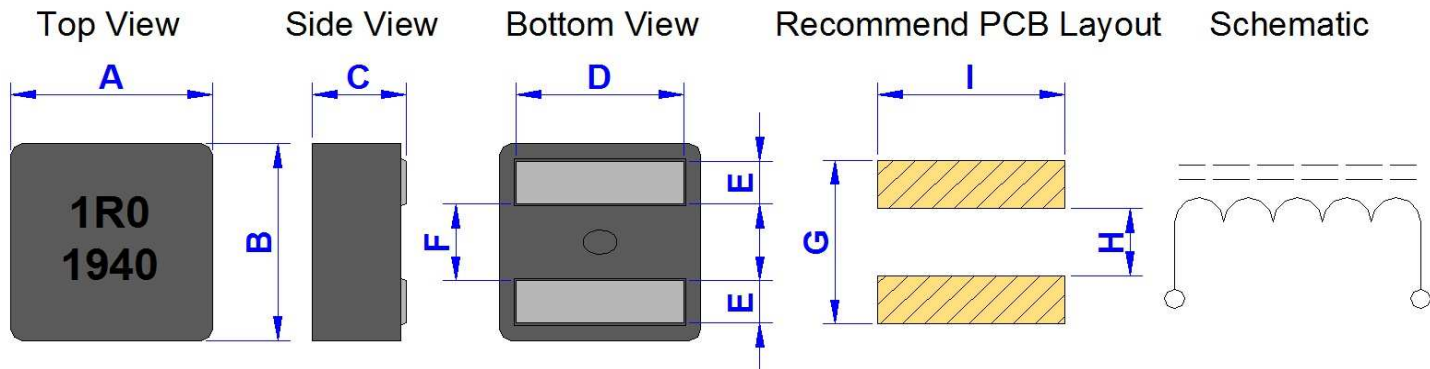
#### Typical Performance Curves :



<b>Product Series :</b> GSFM	<b>Brand :</b> GOTREND
<b>File Version :</b> GSFM-SERIES-V1R5	<b>Editor :</b> David Wang
<b>Established Date :</b> 2021.09.22	<b>Description :</b> High Current Inductor
<b>Latest Edit Date :</b> 2022.08.30	<b>Product Type :</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

### GSFM8080P-SERIES

Dimension [ mm ] :



**Marking : A. Inductance code & Date code**

( 1 ) Year ex. 2020 = 20

( 2 ) Weekly serial number 01 ~ 52

Size	A (+/-0.3)	B (+/-0.3)	C (+/-0.3)	D (+/-0.4)	E (+/-0.2)	F (+/-0.3)	G(Ref.)	H(Ref.)	I(Ref.)
8080	8.90	8.50	7.70	6.90	1.80	3.50	8.00	2.70	7.80

**Electrical Characteristics :**

Part No.	Inductance ( uH )	Inductance Tolerance	DCR ( m Ohm )		Isat ( A )		Irms ( A ) Typ.	
			Typ.	Max.	Typ.	Max.	20°C	40°C
GSFM8080P-3R3M	3.30	M	6.60	7.30	23.0	20.0	13.5	18.0
GSFM8080P-4R7M	4.70	M	8.90	9.80	19.0	17.0	10.5	14.6
GSFM8080P-6R8M	6.80	M	13.00	14.30	14.5	12.5	8.0	11.3
GSFM8080P-100M	10.0	M	20.80	22.90	11.0	10.0	6.6	8.7

\* Test Condition @100KHz , 0.1Vrms , 25°C Ambient

\* Inductance Tolerance : M = +/-20%

\* Irms : Rated Current Loading when temperature rise approximately 40°C

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

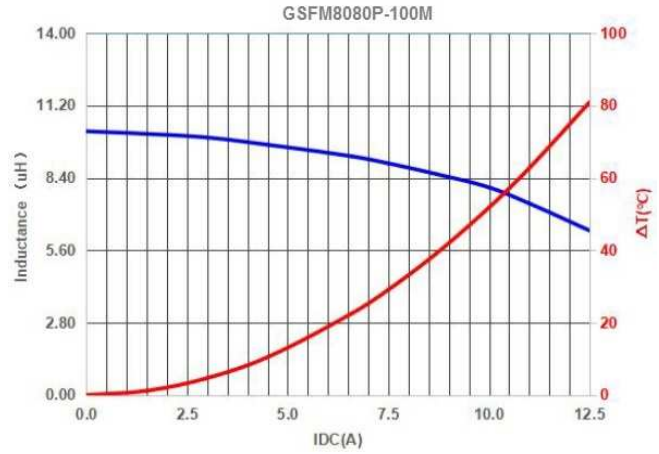
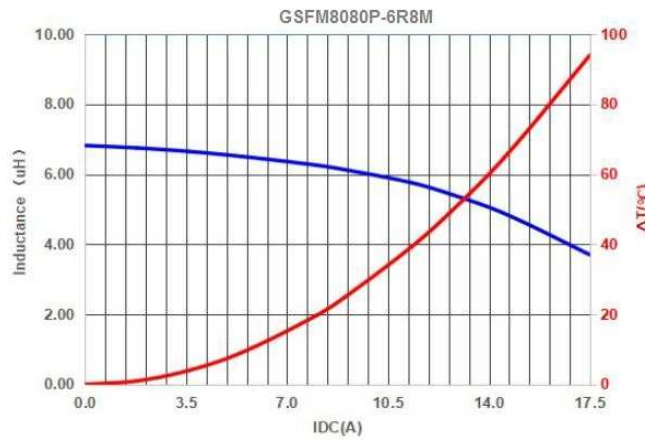
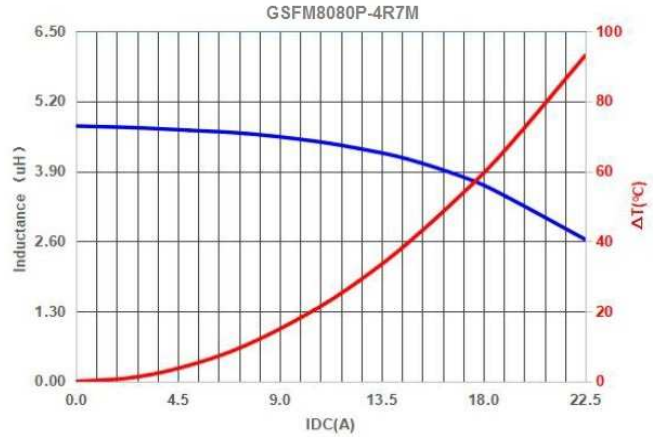
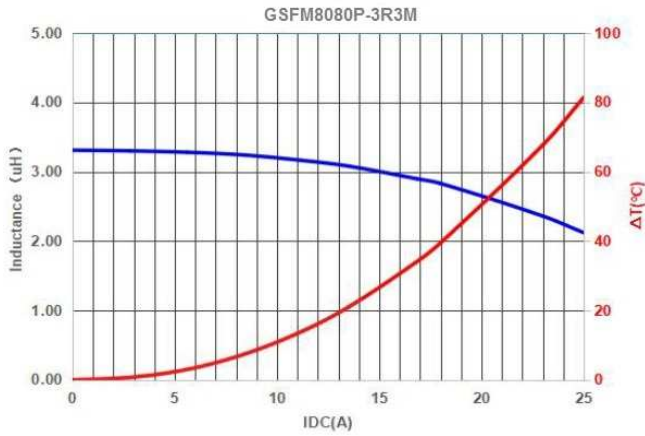
\* The part temperature (ambient + temp rise) should not exceed 125°C under worst case operating conditions. Circuit design, component, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.

\* Rated operating voltage(across inductor) 40V ref.

<b>Product Series :</b> GSFM	<b>Brand :</b> GOTREND
<b>File Version :</b> GSFM-SERIES-V1R5	<b>Editor :</b> David Wang
<b>Established Date :</b> 2021.09.22	<b>Description :</b> High Current Inductor
<b>Latest Edit Date :</b> 2022.08.30	<b>Product Type :</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

## GSFM8080P-SERIES

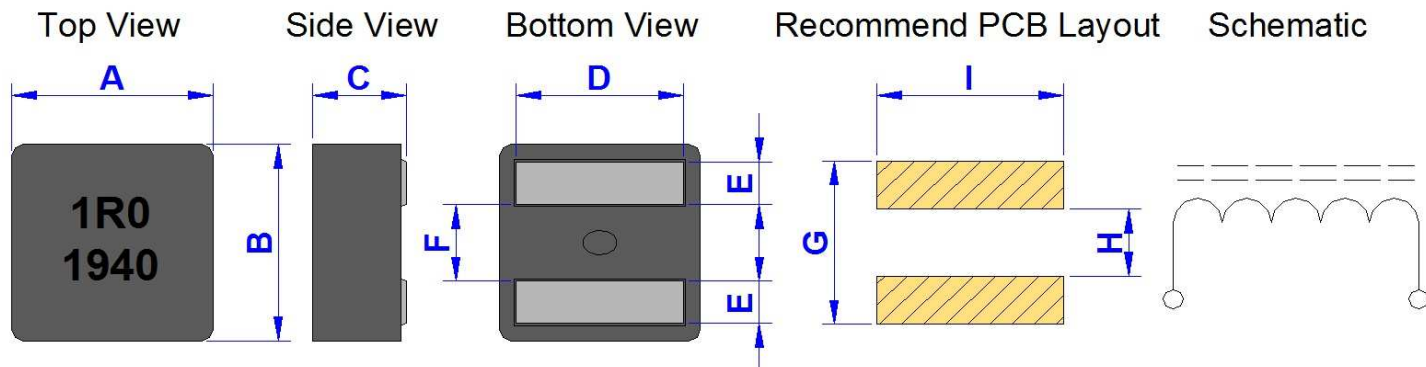
### Typical Performance Curves :



<b>Product Series :</b> GSFM	<b>Brand :</b> GOTREND
<b>File Version :</b> GSFM-SERIES-V1R5	<b>Editor :</b> David Wang
<b>Established Date :</b> 2021.09.22	<b>Description :</b> High Current Inductor
<b>Latest Edit Date :</b> 2022.08.30	<b>Product Type :</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

### GSFM1031PL-SERIES

Dimension [ mm ] :



**Marking : A. Inductance code & Date code**

( 1 ) Year ex. 2020 = 20

( 2 ) Weekly serial number 01 ~ 52

Size	A (+/-0.3)	B (+/-0.3)	C (+/-0.2)	D (+/-0.5)	E (+/-0.2)	F (+/-0.3)	G(Ref.)	H(Ref.)	I(Ref.)
1031	11.9	11.0	2.90	9.00	2.40	4.40	10.5	3.70	11.0

**Electrical Characteristics :**

Part No.	Inductance ( uH )	Inductance Tolerance	DCR ( m Ohm )		Isat ( A )		Irms ( A ) Typ.	
			Typ.	Max.	Typ.	Max.	20°C	40°C
GSFM1031PL-R28M	0.28	M	1.45	1.60	65.0	58.0	25.5	35.0
GSFM1031PL-R56M	0.56	M	2.50	2.75	44.0	39.0	23.0	32.0
GSFM1031PL-R82M	0.82	M	3.70	4.10	38.0	32.0	18.0	25.0
GSFM1031PL-R90M	0.90	M	3.80	4.20	36.0	31.0	17.0	24.0
GSFM1031PL-1R0M	1.00	M	4.50	4.95	35.0	30.0	16.0	23.0
GSFM1031PL-1R5M	1.50	M	6.00	6.60	30.0	25.0	12.0	18.0

\* Test Condition @100KHz , 0.1Vrms , 25°C Ambient

\* Inductance Tolerance : M = +/-20%

\* Irms : Rated Current Loading when temperature rise approximately 40°C

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

\* The part temperature (ambient + temp rise) should not exceed 125°C under worst case operating conditions. Circuit design, component, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.

\* Rated operating voltage(across inductor) 15V ref.

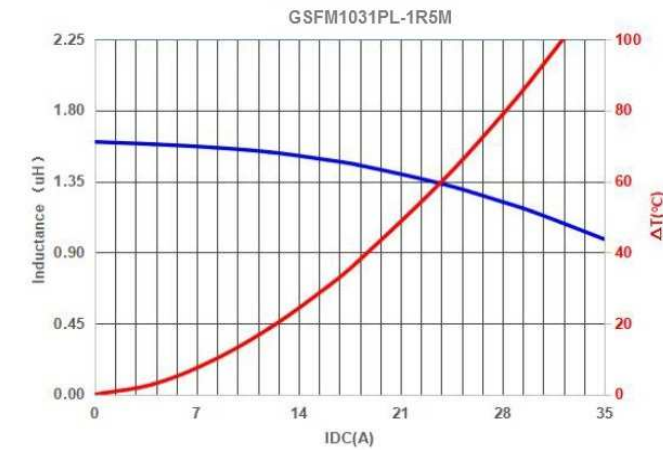
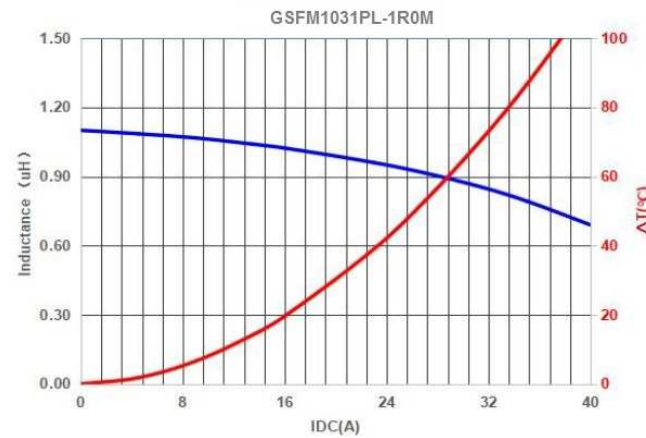
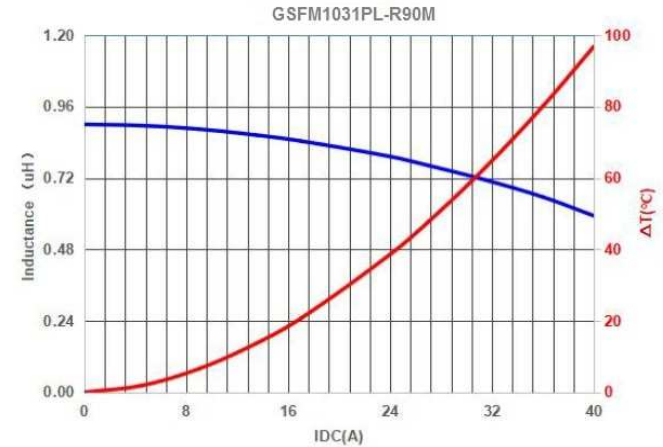
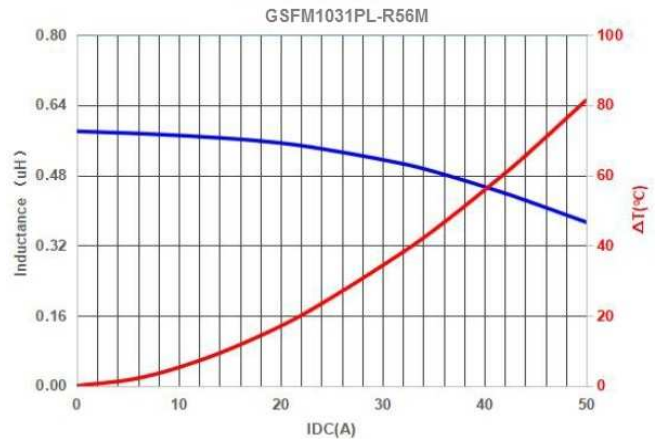
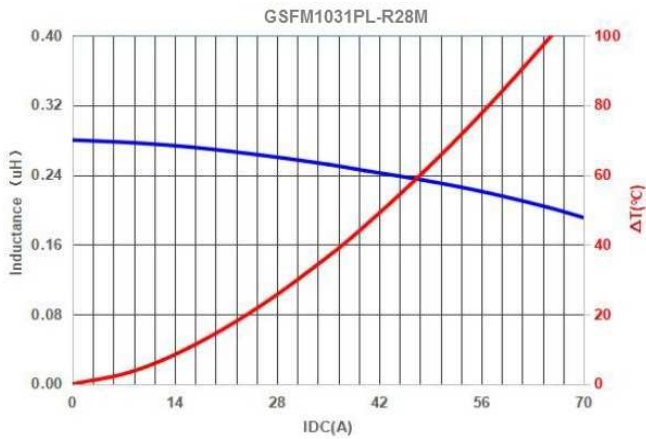


<b>Product Series :</b>	<b>GSFM</b>
<b>File Version :</b>	<b>GSFM-SERIES-V1R5</b>
<b>Established Date :</b>	<b>2021.09.22</b>
<b>Latest Edit Date :</b>	<b>2022.08.30</b>

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

## GSFM1031PL-SERIES

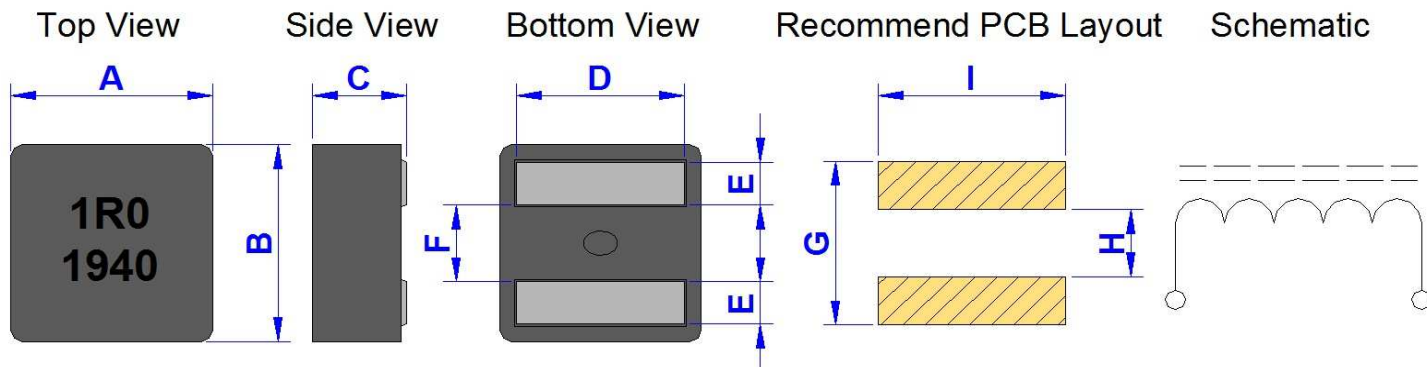
### Typical Performance Curves :



<b>Product Series :</b> GSFM	<b>Brand :</b> GOTREND
<b>File Version :</b> GSFM-SERIES-V1R5	<b>Editor :</b> David Wang
<b>Established Date :</b> 2021.09.22	<b>Description :</b> High Current Inductor
<b>Latest Edit Date :</b> 2022.08.30	<b>Product Type :</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

### GSFM1060P-SERIES

Dimension [ mm ] :



**Marking : A. Inductance code & Date code**

( 1 ) Year ex. 2020 = 20

( 2 ) Weekly serial number 01 ~ 52

Size	A (+/-0.3)	B (+/-0.3)	C (+/-0.3)	D	E (+/-0.2)	F (+/-0.3)	G(Ref.)	H(Ref.)	I(Ref.)
1060	11.9	11.0	5.70	By Item	2.40	4.50	10.5	3.70	11.0

### Electrical Characteristics :

Part No.	Inductance ( uH )	Inductance Tolerance	DCR ( m Ohm )		Isat ( A )		I <sub>rms</sub> ( A ) Typ.		Size D ( mm ) +/-0.5
			Typ.	Max.	Typ.	Max.	20°C	40°C	
GSFM1060P-2R2M	2.20	M	4.40	4.84	35.0	30.0	14.0	20.0	9.00
GSFM1060P-3R3M	3.30	M	7.00	7.70	28.0	25.0	11.4	16.8	9.00
GSFM1060P-4R7M	4.70	M	9.70	10.72	25.0	22.0	8.7	14.0	9.00
GSFM1060P-5R6M	5.60	M	10.80	11.90	20.0	17.0	7.0	12.0	8.80
GSFM1060P-6R8M	6.80	M	11.80	13.00	18.0	15.5	6.0	10.5	8.80
GSFM1060P-8R2M	8.20	M	15.00	16.50	16.5	14.0	5.0	9.5	8.80
GSFM1060P-100M	10.0	M	16.50	18.20	15.0	13.0	4.5	9.0	8.80

\* Test Condition @100KHz , 0.1Vrms , 25°C Ambient

\* Inductance Tolerance : M = +/-20%

\* I<sub>rms</sub> : Rated Current Loading when temperature rise approximately 40°C

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

\* The part temperature (ambient + temp rise) should not exceed 125°C under worst case operating conditions. Circuit design, component, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.

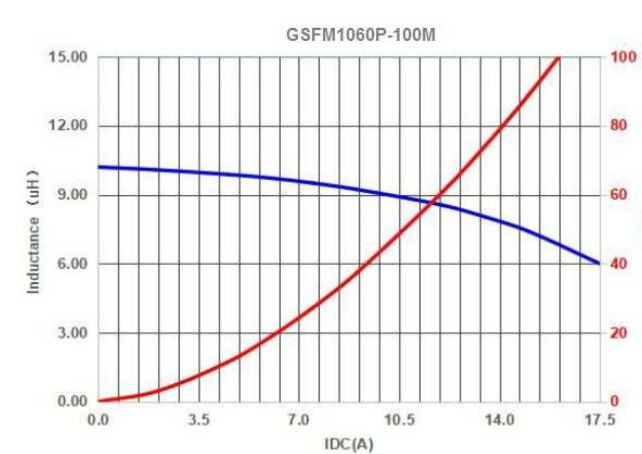
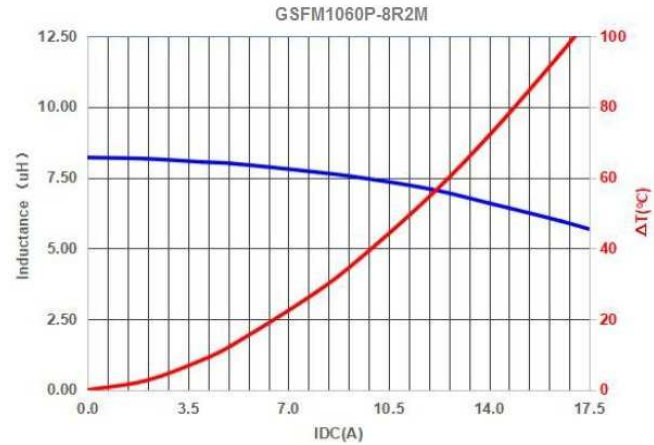
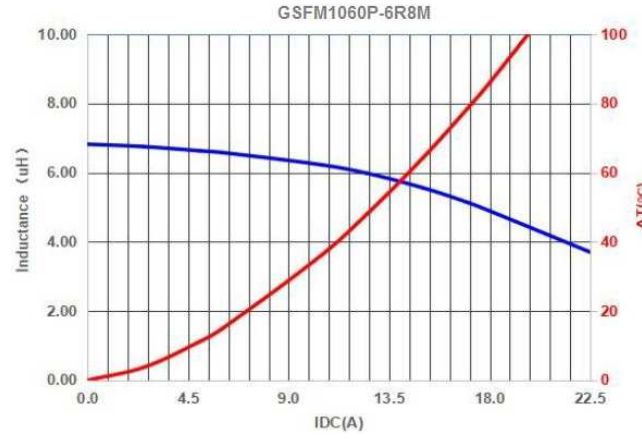
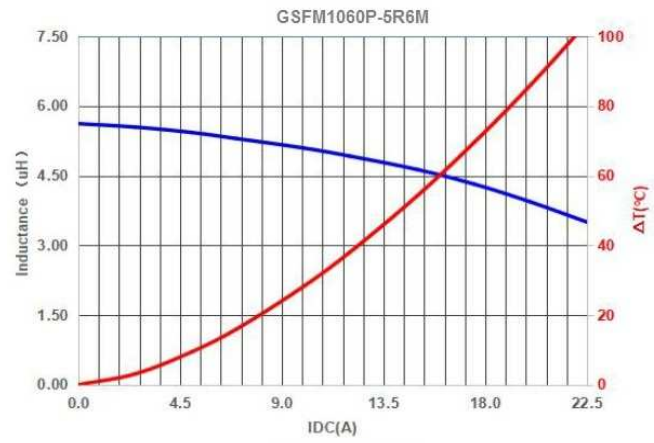
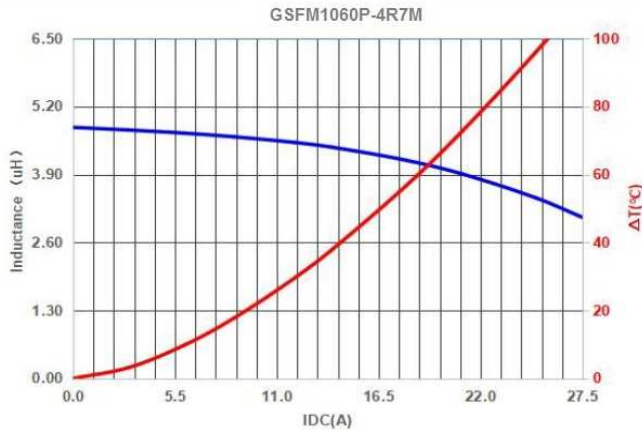
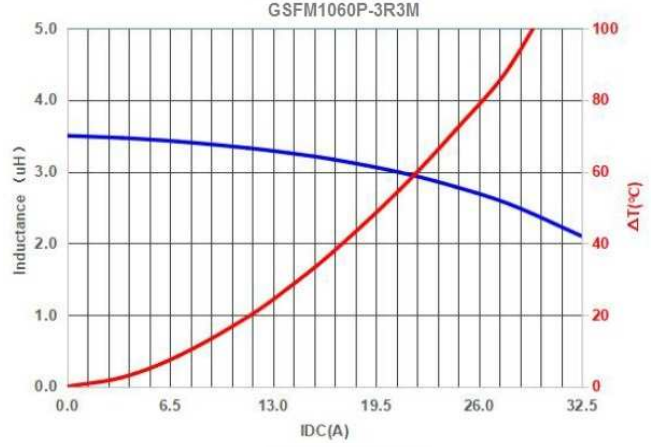
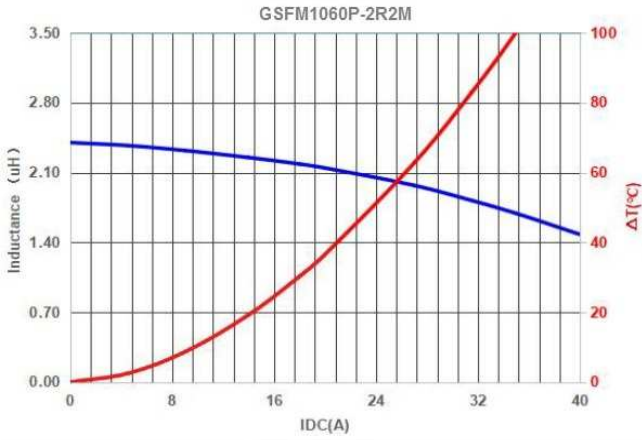
\* Rated operating voltage(across inductor) 40V ref.

<b>Product Series :</b>	<b>GSFM</b>
<b>File Version :</b>	<b>GSFM-SERIES-V1R5</b>
<b>Established Date :</b>	<b>2021.09.22</b>
<b>Latest Edit Date :</b>	<b>2022.08.30</b>

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

## GSFM1060P-SERIES

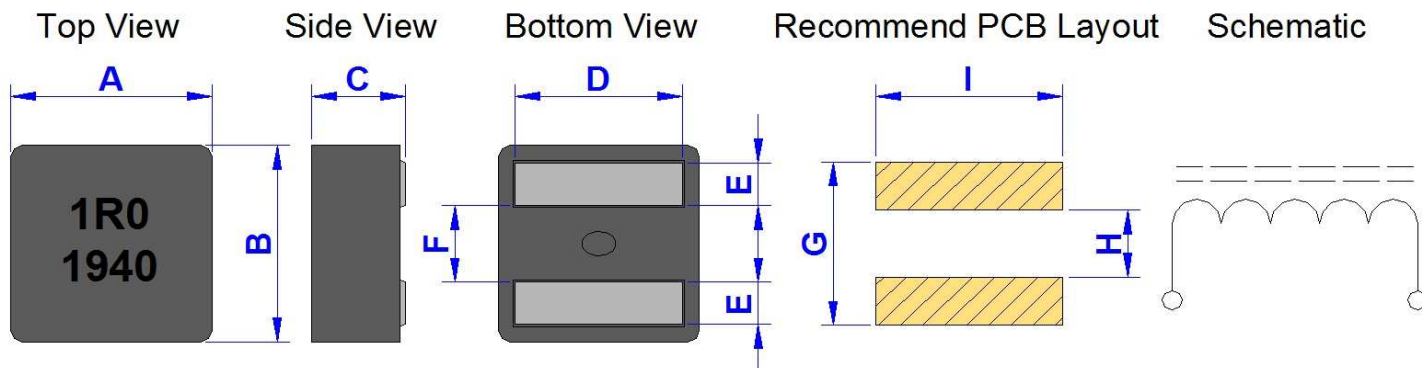
### Typical Performance Curves :



<b>Product Series :</b> GSFM	<b>Brand :</b> GOTREND
<b>File Version :</b> GSFM-SERIES-V1R5	<b>Editor :</b> David Wang
<b>Established Date :</b> 2021.09.22	<b>Description :</b> High Current Inductor
<b>Latest Edit Date :</b> 2022.08.30	<b>Product Type :</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

### GSFM1010P-SERIES

Dimension [ mm ] :



**Marking : A. Inductance code & Date code**

( 1 ) Year ex. 2020 = 20

( 2 ) Weekly serial number 01 ~ 52

Size	A (+/-0.3)	B (+/-0.3)	C (+/-0.3)	D	E (+/-0.2)	F (+/-0.3)	G(Ref.)	H(Ref.)	I(Ref.)
1010	11.9	11.0	9.70	By Item	2.40	4.40	10.5	3.70	11.0

### Electrical Characteristics :

Part No.	Inductance ( uH )	Inductance Tolerance	DCR ( m Ohm )		Isat ( A )		Irms ( A ) Typ.		Size D ( mm ) +/-0.5
			Typ.	Max.	Typ.	Max.	20°C	40°C	
GSFM1010P-3R3M	3.30	M	3.70	4.10	27.4	23.4	18.2	25.0	9.30
GSFM1010P-4R7M	4.70	M	5.20	5.70	25.4	21.4	17.5	24.0	9.30
GSFM1010P-5R6M	5.60	M	6.50	7.20	23.6	19.6	15.7	21.2	9.30
GSFM1010P-6R8M	6.80	M	8.10	8.90	21.8	18.5	14.0	18.5	9.00
GSFM1010P-8R2M	8.20	M	10.80	12.40	18.3	16.3	12.9	17.1	9.00
GSFM1010P-100M	10.0	M	12.50	13.75	17.5	14.6	11.5	15.5	9.00
GSFM1010P-150M	15.0	M	17.50	19.30	15.5	12.5	9.9	13.8	9.00

\* Test Condition @100KHz , 0.1Vrms , 25°C Ambient

\* Inductance Tolerance : M = +/-20%

\* Irms : Rated Current Loading when temperature rise approximately 40°C

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

\* The part temperature (ambient + temp rise) should not exceed 125°C under worst case operating conditions. Circuit design, component, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.

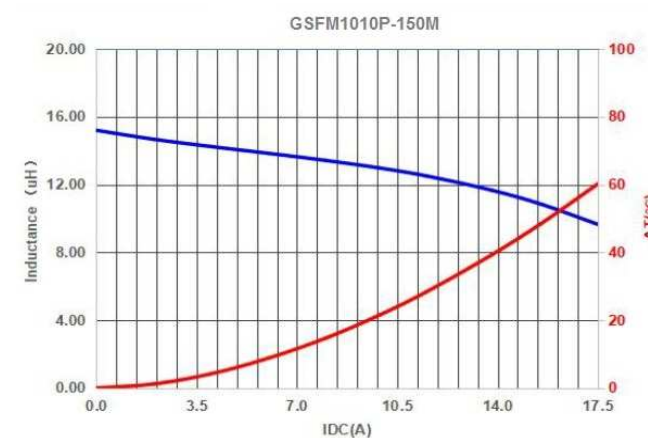
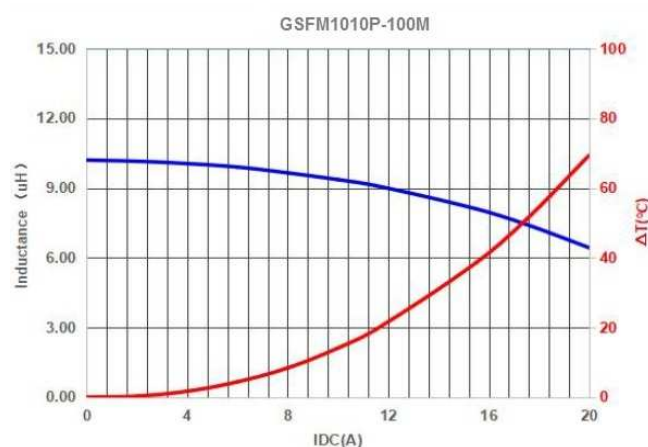
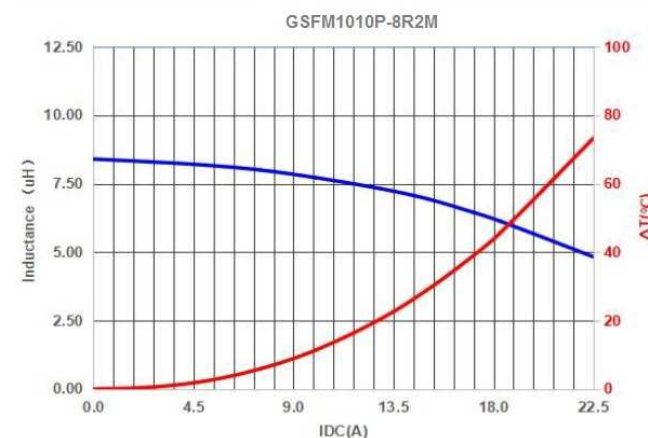
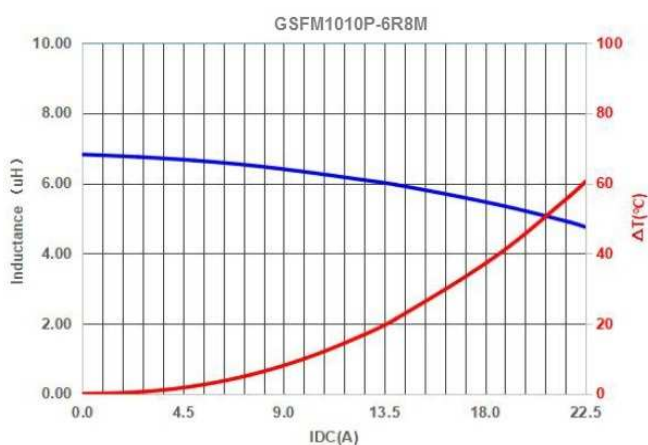
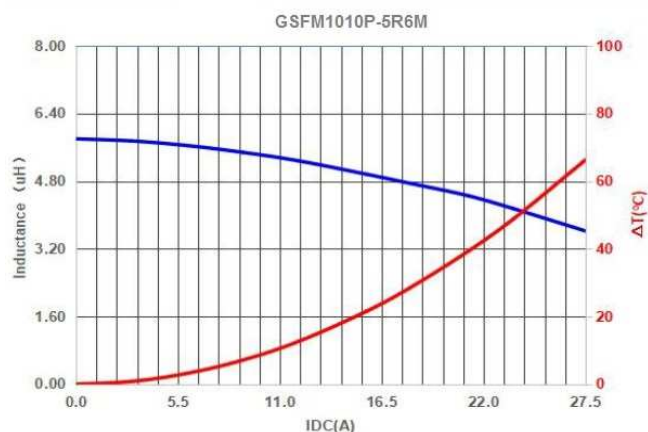
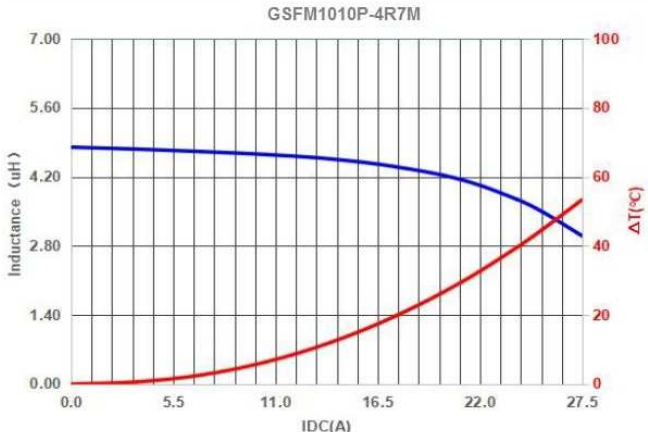
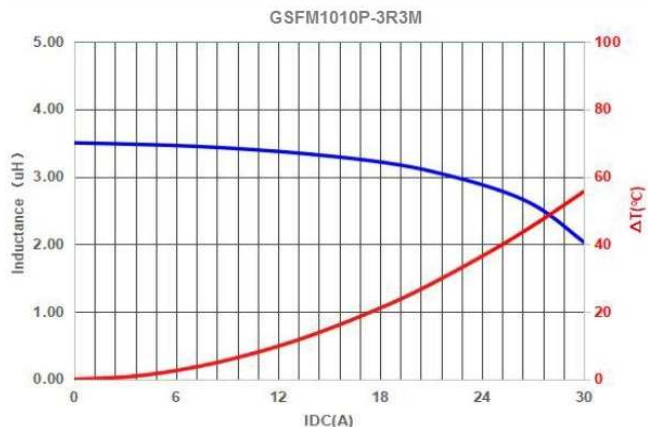
\* Rated operating voltage(across inductor) 40V ref.

<b>Product Series :</b>	<b>GSFM</b>
<b>File Version :</b>	<b>GSFM-SERIES-V1R5</b>
<b>Established Date :</b>	<b>2021.09.22</b>
<b>Latest Edit Date :</b>	<b>2022.08.30</b>

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

### GSFM1010P-SERIES

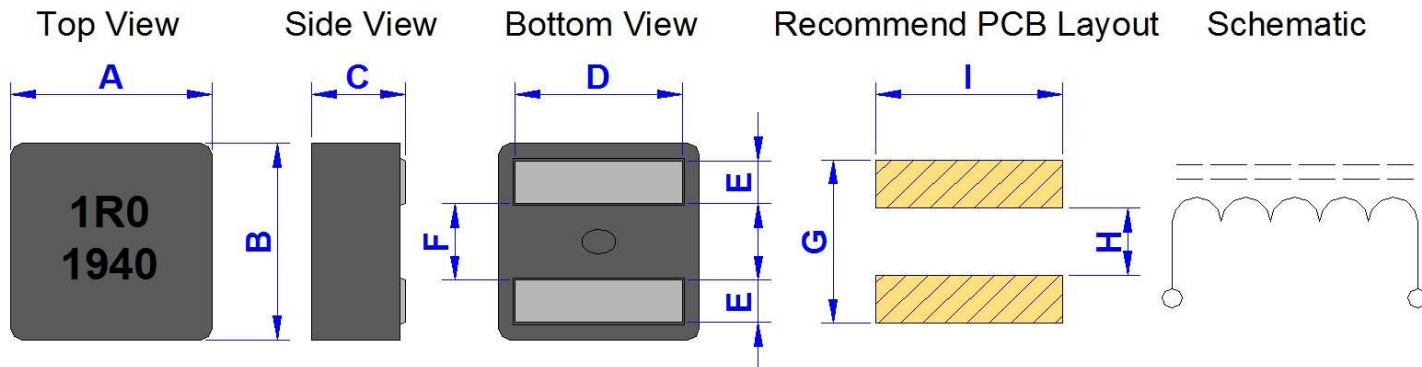
#### Typical Performance Curves :



<b>Product Series :</b> GSFM	<b>Brand :</b> GOTREND
<b>File Version :</b> GSFM-SERIES-V1R5	<b>Editor :</b> David Wang
<b>Established Date :</b> 2021.09.22	<b>Description :</b> High Current Inductor
<b>Latest Edit Date :</b> 2022.08.30	<b>Product Type :</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

### GSFM1580P-SERIES

Dimension [ mm ] :



Marking : A. Inductance code & Date code

( 1 ) Year ex. 2020 = 20

( 2 ) Weekly serial number 01 ~ 52

Size	A (+/-0.3)	B (+/-0.3)	C (+/-0.3)	D (+/-0.5)	E (+/-0.2)	F (+/-0.3)	G(Ref.)	H(Ref.)	I(Ref.)
1580	17.5	16.5	7.70	13.2	3.20	7.00	15.0	6.00	15.0

### Electrical Characteristics :

Part No.	Inductance ( uH )	Inductance Tolerance	DCR ( m Ohm )		Isat ( A )		Irms ( A ) Typ.	
			Typ.	Max.	Typ.	Max.	20°C	40°C
GSFM1580P-2R0M	2.00	M	1.92	2.21	57.0	52.0	29.5	40.0
GSFM1580P-2R2M	2.20	M	2.15	2.48	55.0	49.0	28.0	37.0
GSFM1580P-3R0M	3.00	M	2.50	3.00	46.0	41.0	26.0	34.5
GSFM1580P-4R2M	4.20	M	3.90	4.68	38.0	33.0	20.5	27.0
GSFM1580P-4R7M	4.70	M	4.30	5.16	37.0	32.0	20.0	26.5
GSFM1580P-5R3M	5.30	M	4.45	5.34	35.0	31.0	19.5	26.0
GSFM1580P-6R2M	6.20	M	5.40	6.50	34.0	31.0	17.0	23.0
GSFM1580P-7R2M	7.20	M	6.00	7.20	32.0	29.0	15.0	21.0
GSFM1580P-8R2M	8.20	M	6.60	7.92	28.0	25.0	13.0	19.0
GSFM1580P-100M	10.0	M	8.00	9.60	24.0	21.0	11.0	16.0
GSFM1580P-150M	15.0	M	12.50	15.00	21.0	18.0	10.0	13.0
GSFM1580P-220M	22.0	M	19.30	23.20	19.0	16.0	9.0	12.0

\* Test Condition @100KHz , 0.1Vrms , 25°C Ambient

\* Inductance Tolerance : M = +/-20%

\* Irms : Rated Current Loading when temperature rise approximately 40°C

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

\* The part temperature (ambient + temp rise) should not exceed 125°C under worst case operating conditions. Circuit design, component, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.

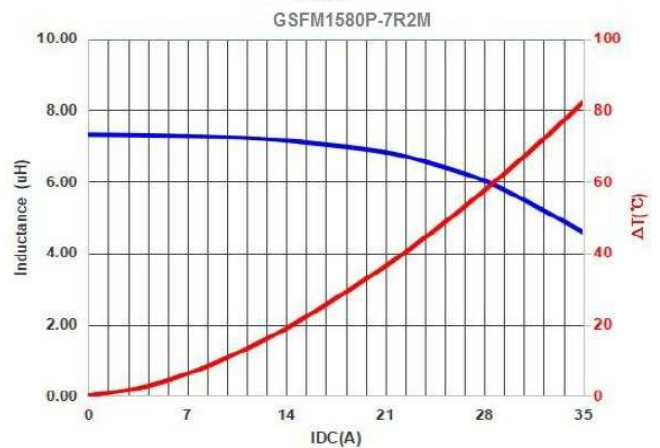
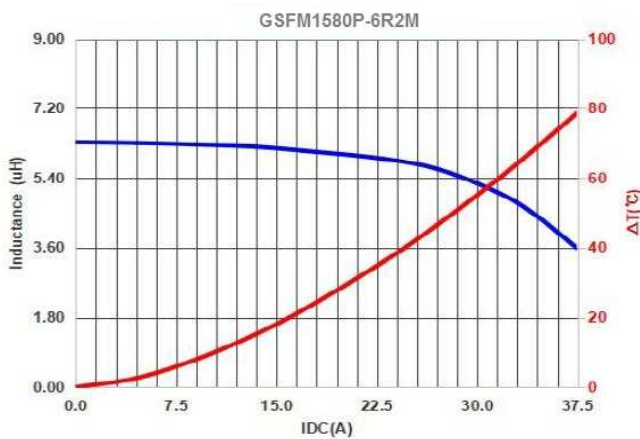
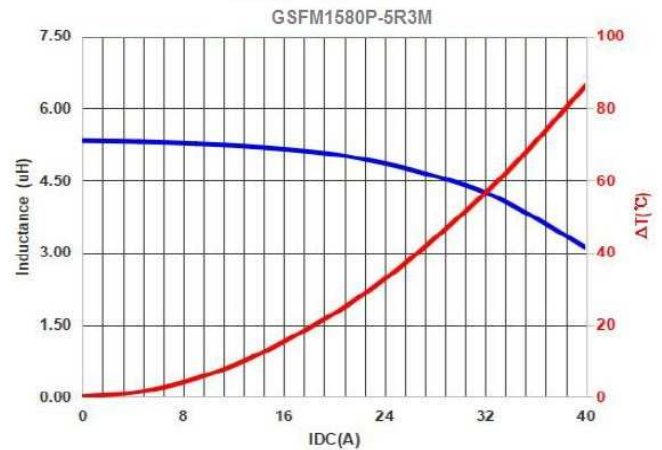
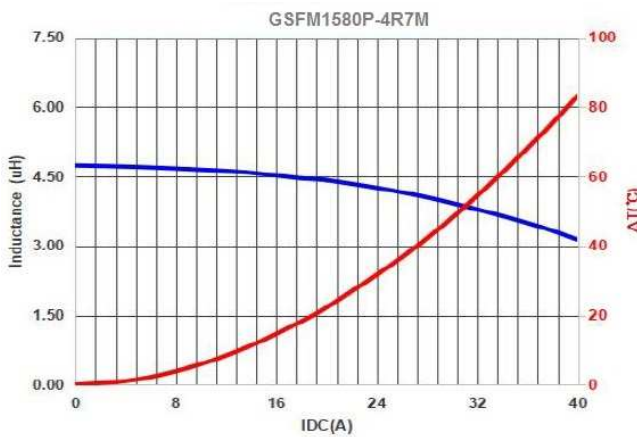
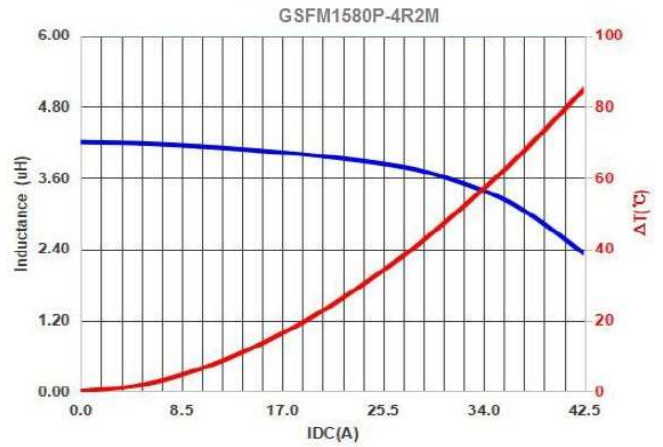
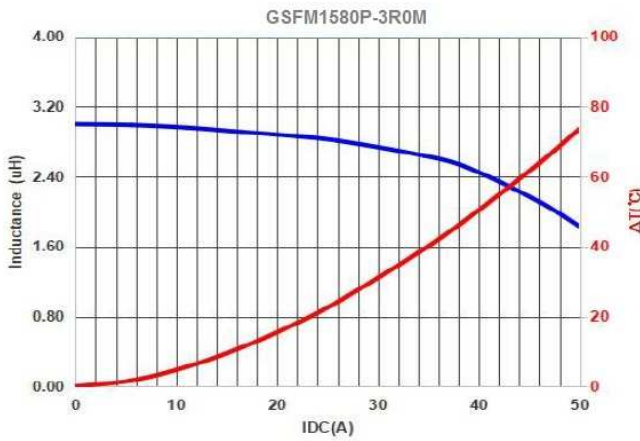
\* Rated operating voltage(across inductor) 40V ref.

<b>Product Series :</b>	<b>GSFM</b>
<b>File Version :</b>	<b>GSFM-SERIES-V1R5</b>
<b>Established Date :</b>	<b>2021.09.22</b>
<b>Latest Edit Date :</b>	<b>2022.08.30</b>

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

## GSFM1580P-SERIES

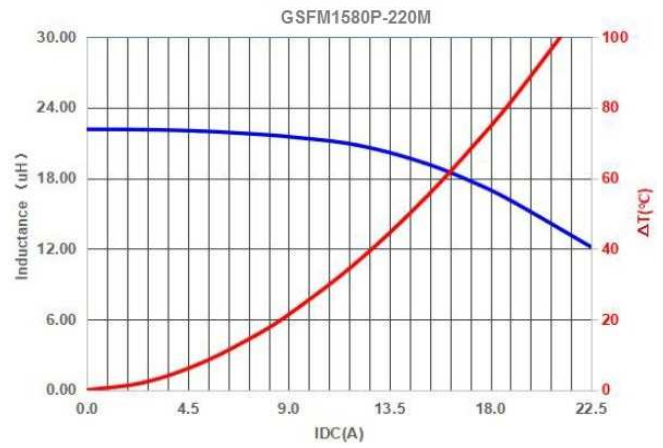
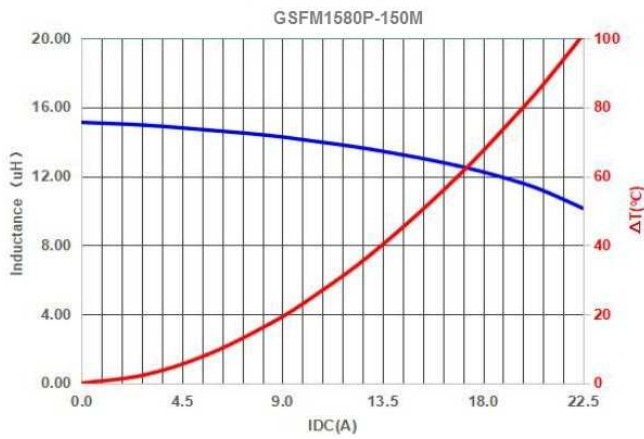
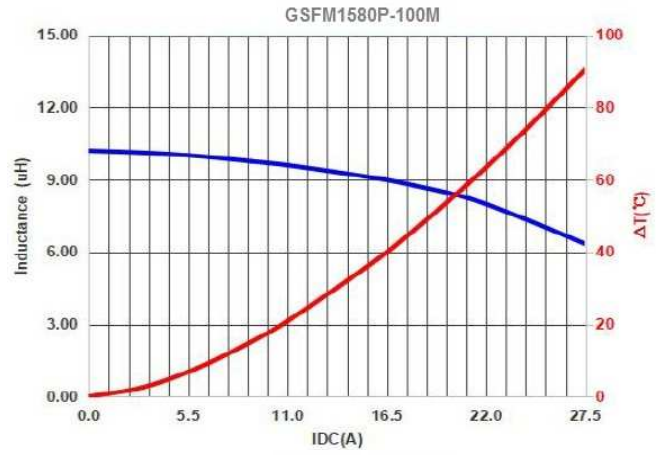
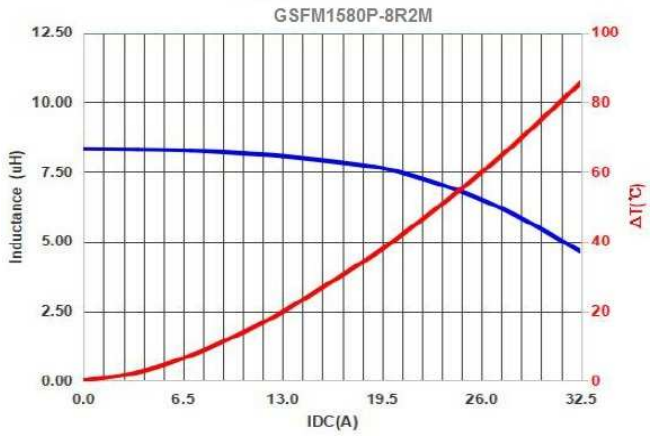
### Typical Performance Curves :



<b>Product Series :</b> GSFM	<b>Brand :</b> GOTREND
<b>File Version :</b> GSFM-SERIES-V1R5	<b>Editor :</b> David Wang
<b>Established Date :</b> 2021.09.22	<b>Description :</b> High Current Inductor
<b>Latest Edit Date :</b> 2022.08.30	<b>Product Type :</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

## GSFM1580P-SERIES

### Typical Performance Curves :

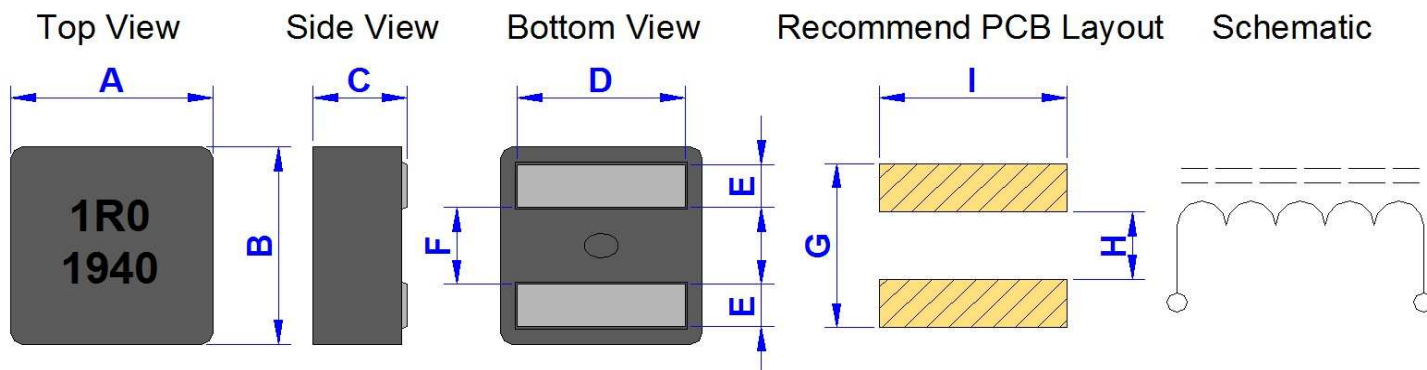




<b>Product Series :</b> GSFM	<b>Brand :</b> GOTREND
<b>File Version :</b> GSFM-SERIES-V1R5	<b>Editor :</b> David Wang
<b>Established Date :</b> 2021.09.22	<b>Description :</b> High Current Inductor
<b>Latest Edit Date :</b> 2022.08.30	<b>Product Type :</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

### GSFM1510P-SERIES

Dimension [ mm ] :



**Marking : A. Inductance code & Date code**  
 ( 1 ) Year ex. 2020 = 20  
 ( 2 ) Weekly serial number 01 ~ 52

Size	A (+/-0.3)	B (+/-0.3)	C (+/-0.3)	D (+/-0.5)	E (+/-0.2)	F (+/-0.3)	G(Ref.)	H(Ref.)	I(Ref.)
1510	17.5	16.5	9.70	13.2	3.20	7.00	15.0	6.00	15.0

### Electrical Characteristics :

Part No.	Inductance ( uH )	Inductance Tolerance	DCR ( m Ohm )		Isat ( A )		Irms ( A ) Typ.	
			Typ.	Max.	Typ.	Max.	20°C	40°C
GSFM1510P-4R7M	4.70	M	3.40	3.80	43.0	39.0	22.0	30.0
GSFM1510P-5R6M	5.60	M	3.82	4.20	38.0	34.0	21.0	28.0
GSFM1510P-6R8M	6.80	M	4.18	4.60	36.0	31.0	20.0	26.0
GSFM1510P-8R2M	8.20	M	6.00	7.20	32.0	28.0	19.0	25.0
GSFM1510P-100M	10.0	M	7.10	8.60	29.0	26.0	18.0	24.0
GSFM1510P-150M	15.0	M	9.20	11.50	23.0	20.0	14.0	18.0
GSFM1510P-220M	22.0	M	13.20	15.80	20.0	18.0	11.0	16.0
GSFM1510P-330M	33.0	M	18.70	20.00	18.7	16.7	9.0	13.0

\* Test Condition @100KHz , 0.1Vrms , 25°C Ambient

\* Inductance Tolerance : M = +/-20%

\* Irms : Rated Current Loading when temperature rise approximately 40°C

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

\* The part temperature (ambient + temp rise) should not exceed 125°C under worst case operating conditions. Circuit design, component, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.

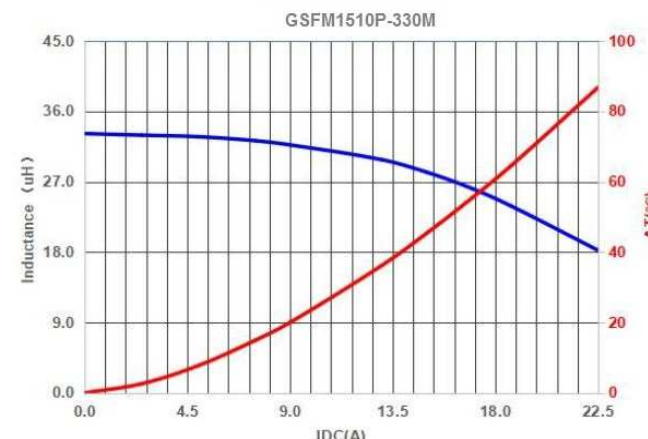
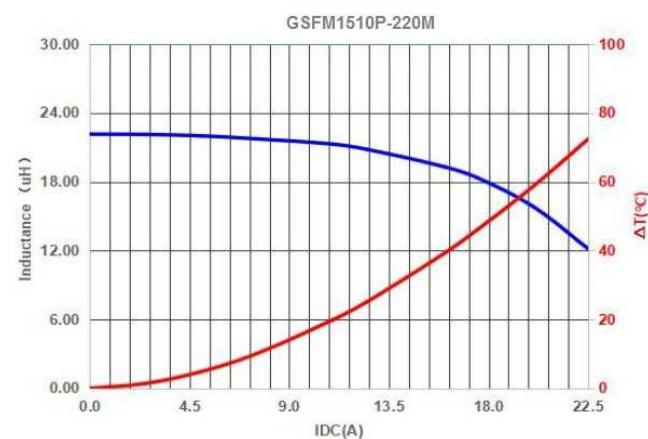
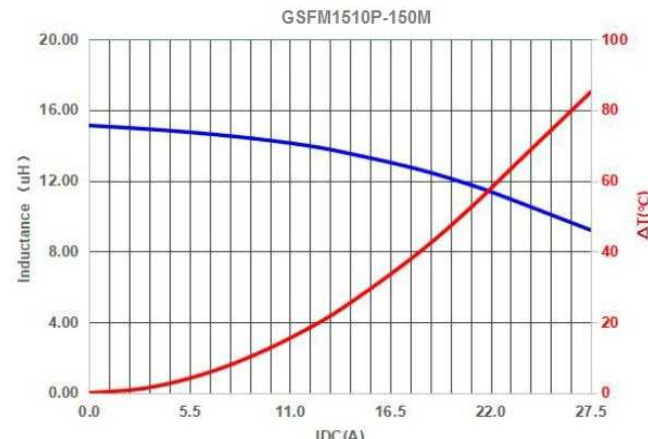
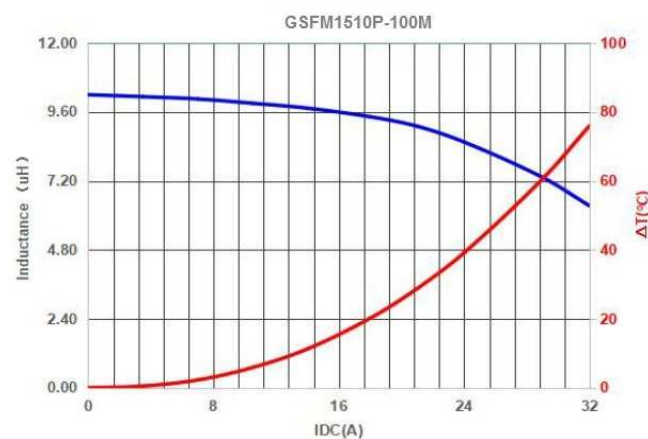
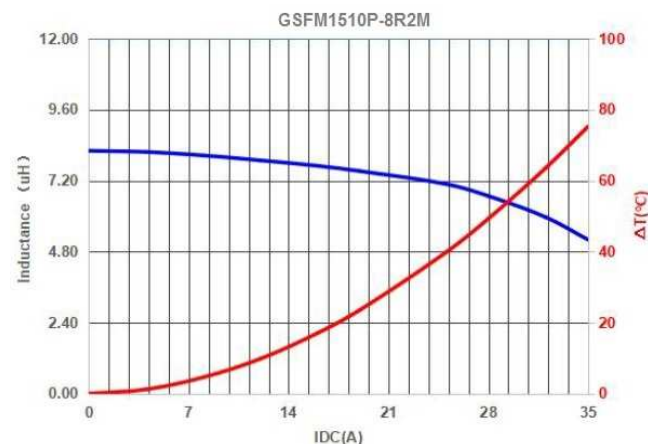
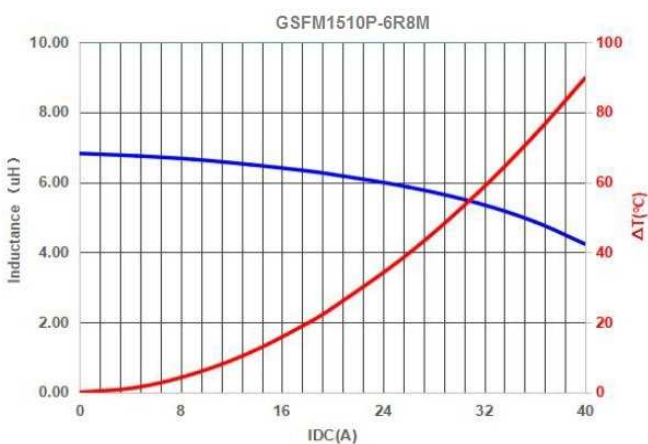
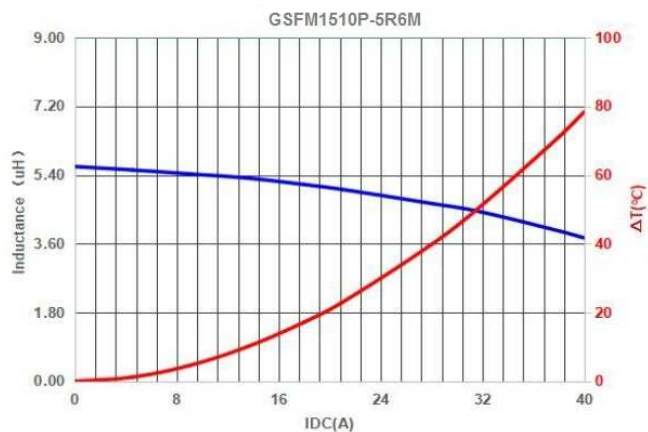
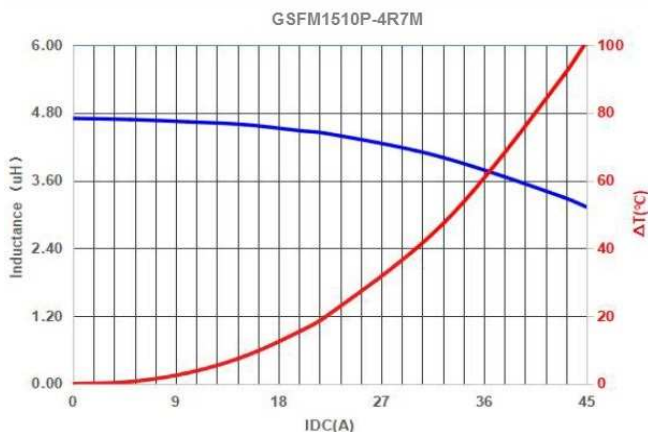
\* Rated operating voltage(across inductor) 40V ref.

<b>Product Series :</b>	<b>GSFM</b>
<b>File Version :</b>	<b>GSFM-SERIES-V1R5</b>
<b>Established Date :</b>	<b>2021.09.22</b>
<b>Latest Edit Date :</b>	<b>2022.08.30</b>

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

## GSFM1510P-SERIES

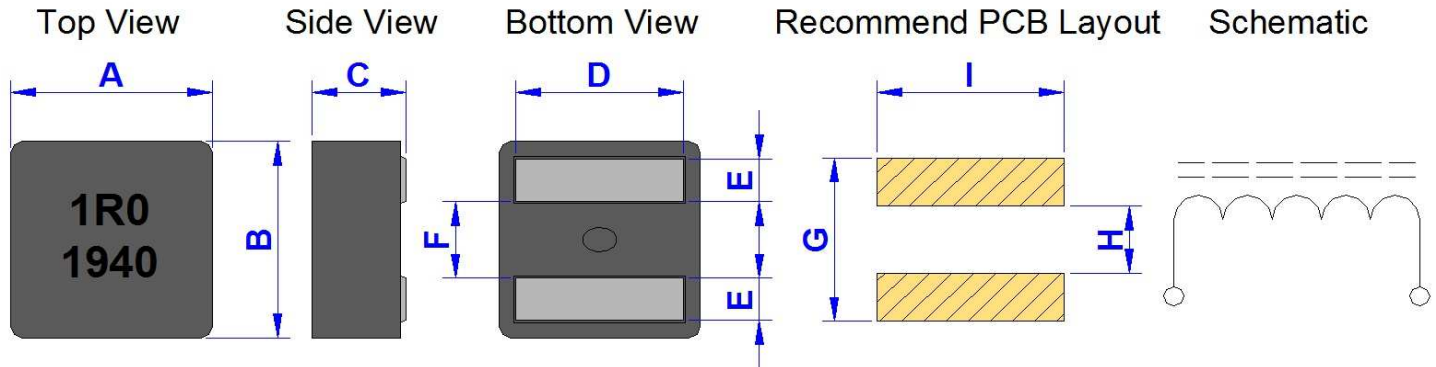
### Typical Performance Curves :



<b>Product Series :</b> GSFM	<b>Brand :</b> GOTREND
<b>File Version :</b> GSFM-SERIES-V1R5	<b>Editor :</b> David Wang
<b>Established Date :</b> 2021.09.22	<b>Description :</b> High Current Inductor
<b>Latest Edit Date :</b> 2022.08.30	<b>Product Type :</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

### GSFM1513P-SERIES

Dimension [ mm ] :



**Marking : A. Inductance code & Date code**  
 ( 1 ) Year ex. 2020 = 20  
 ( 2 ) Weekly serial number 01 ~ 52

Size	A (+/-0.3)	B (+/-0.3)	C (+/-0.3)	D (+/-0.5)	E (+/-0.2)	F (+/-0.3)	G(Ref.)	H(Ref.)	I(Ref.)
1513	17.5	16.5	12.7	13.2	3.20	7.00	15.0	6.00	15.0

### Electrical Characteristics :

Part No.	Inductance ( uH )	Inductance Tolerance	DCR ( m Ohm )		Isat ( A )		Irms ( A ) Typ.	
			Typ.	Max.	Typ.	Max.	20°C	40°C
GSFM1513P-4R7M	4.70	M	3.00	3.30	44.0	40.0	23.0	31.0
GSFM1513P-5R6M	5.60	M	3.50	3.90	40.0	35.0	22.0	29.0
GSFM1513P-6R8M	6.80	M	3.80	4.20	37.0	32.0	21.0	27.0
GSFM1513P-8R2M	8.20	M	5.10	5.74	33.0	29.0	20.0	26.0
GSFM1513P-100M	10.0	M	6.30	7.00	30.0	27.0	19.0	25.0
GSFM1513P-150M	15.0	M	6.80	7.50	25.5	21.0	16.0	22.0
GSFM1513P-220M	22.0	M	12.60	13.86	22.0	19.0	12.0	17.0
GSFM1513P-330M	33.0	M	18.50	22.20	19.0	16.0	9.0	14.0

\* Test Condition @100KHz , 0.1Vrms , 25°C Ambient

\* Inductance Tolerance : M = +/-20%

\* Irms : Rated Current Loading when temperature rise approximately 40°C

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

\* The part temperature (ambient + temp rise) should not exceed 125°C under worst case operating conditions. Circuit design, component, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.

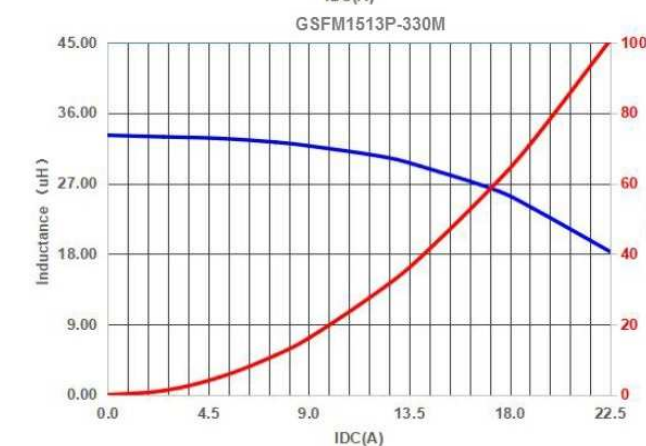
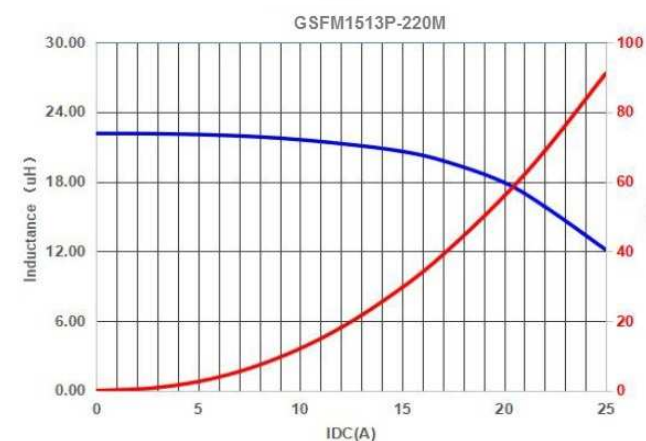
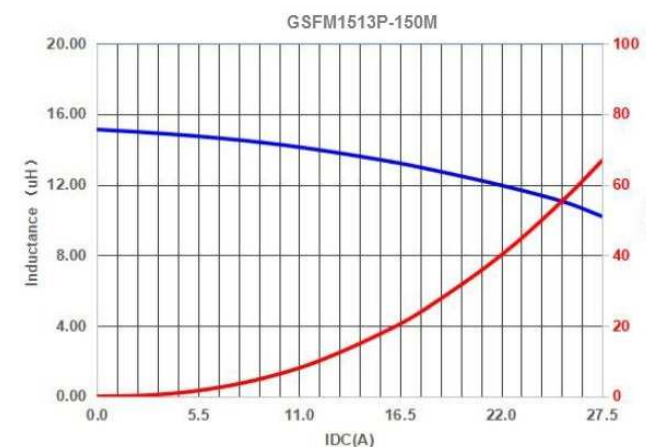
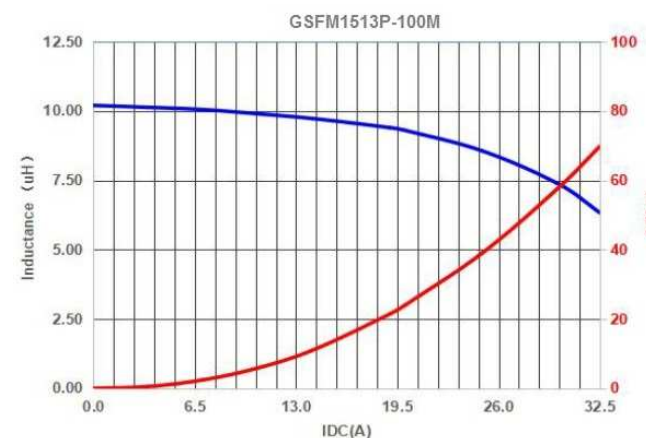
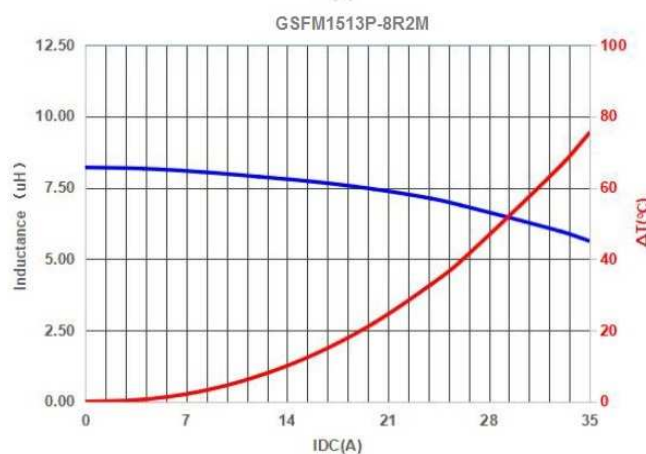
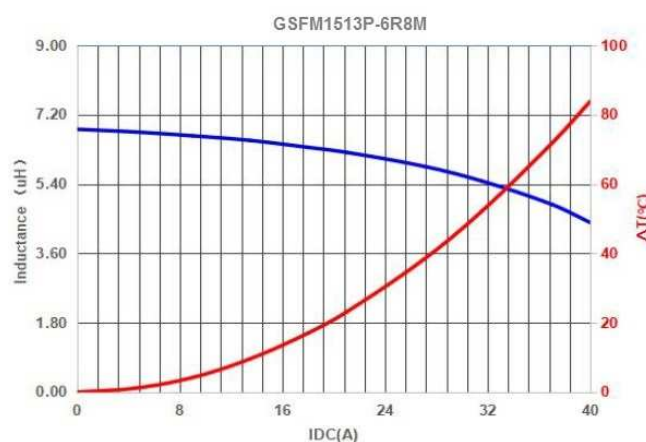
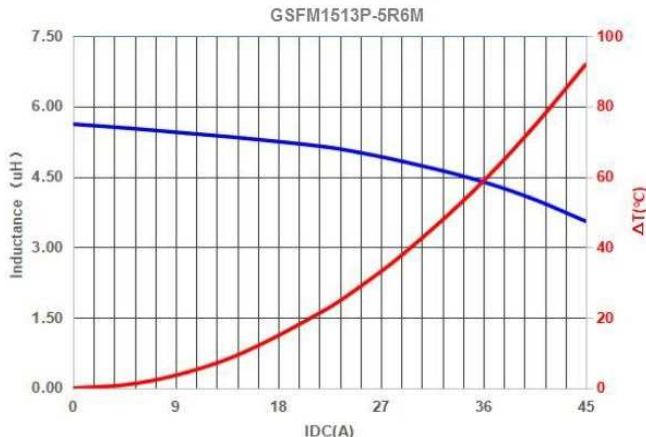
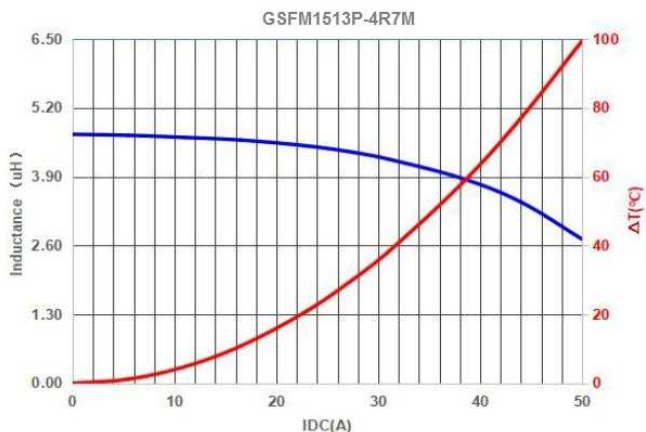
\* Rated operating voltage(across inductor) 40V ref.

<b>Product Series :</b>	<b>GSFM</b>
<b>File Version :</b>	<b>GSFM-SERIES-V1R5</b>
<b>Established Date :</b>	<b>2021.09.22</b>
<b>Latest Edit Date :</b>	<b>2022.08.30</b>

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

### GSFM1513P-SERIES

#### Typical Performance Curves :



<b>Product Series :</b> GSFM	<b>Brand :</b> GOTREND
<b>File Version :</b> GSFM-SERIES-V1R5	<b>Editor :</b> David Wang
<b>Established Date :</b> 2021.09.22	<b>Description :</b> High Current Inductor
<b>Latest Edit Date :</b> 2022.08.30	<b>Product Type :</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

#### Care note :

Care note for Use :

(1) Storage Condition :

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

(2) Use Temperature :

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

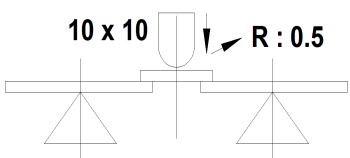
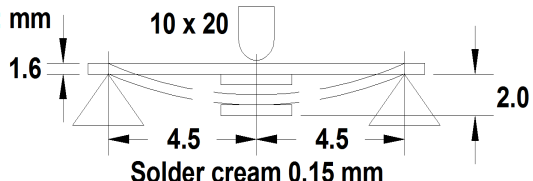
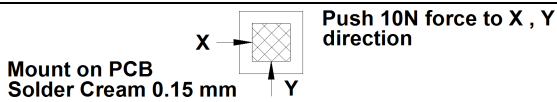
If this product is potted in some compound, coating material of magnet wire might be occasionally damaged. Please ask us if you intend to pot this product.

(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.

<b>Product Series :</b> GSFM	<b>Brand :</b> GOTREND
<b>File Version :</b> GSFM-SERIES-V1R5	<b>Editor :</b> David Wang
<b>Established Date :</b> 2021.09.22	<b>Description :</b> High Current Inductor
<b>Latest Edit Date :</b> 2022.08.30	<b>Product Type :</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

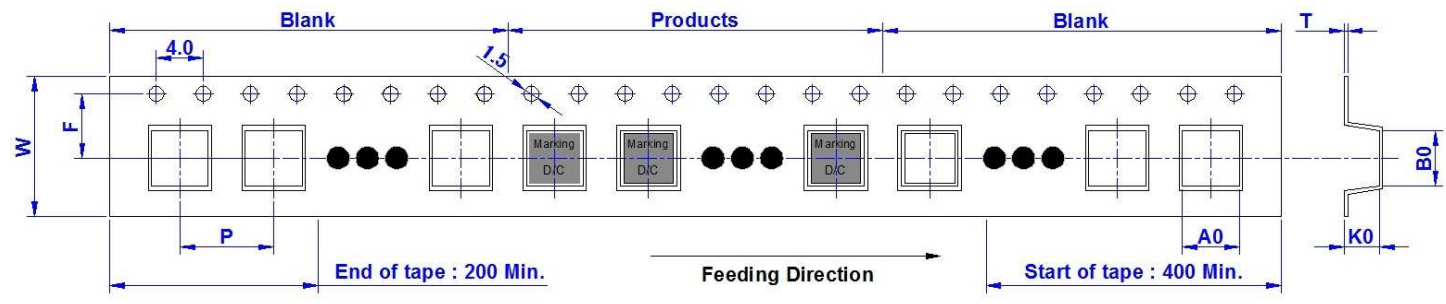
**Reliability :**

SN	Test Item	Test Condition	Specification		
1	<b>Dimension</b>	Actual Size ...	Meet Spec		
2	<b>Thermal Shock (Temperature Cycle)</b>	Temperature : -40 ~ +125 °C kept stabilized for 30 min. each Cycle : 100 Cycles ( power off )	Elec. no variation Appearance no deformation		
3	<b>Humidity Resistance</b>	Humidity : 90% ~ 95% RH Temperature : 60 ± 2 °C , Test Time : 96 ± 2 Hours	Elec. no variation Appearance no deformation		
4	<b>High Temperature</b>	Temperature : 125 ± 2 °C Testing Time : 96 ± 2 Hours	Elec. no variation Appearance no deformation		
5	<b>Low Temperature</b>	Temperature : -40 ± 2 °C Time : 96 ± 2 Hours	Elec. no variation Appearance no deformation		
6	<b>Temperature and Humidity Cycle</b>	Temperature	Humidity	Time	Elec. no variation Appearance no deformation
		25 °C	90% ~ 95% RH	3.0 Hr	
		55 °C	95% ~ 96% RH	5.0 Hr	
		25 °C	90% ~ 95% RH	3.0 Hr	
		Cycle : 20 Cycles			
7	<b>Vibration</b>	Frequency : 10Hz ~ 55Hz , Amplitude : 1.5 mm Direction : X , Y , Z , Time : 2 Hours each	Elec. no variation Appearance no deformation		
8	<b>Solderability</b>	Go through real SMT IR-Reflow .... The profile like our suggest profile. Preheat : 160 ± 10 °C ( 90 sec ) Peak : 245 ± 5 °C Peak Time : 50 Sec. / up 217 °C	Elec. no variation Appearance no deformation		
9	<b>Soldering Heat Resistance</b>	Preheat : 160 ± 10 °C ( 90 sec ) Solder : Sn / Ag / Cu ( Pb Free ) Solder Temp. : 260 ± 5 °C , Time : 3 ± 1 seconds	Elec. no variation Appearance no deformation		
10	<b>Iron Solder Heat Resistance</b>	Solder Temp. : 350 ± 5 °C Flux : Rosin , Time : 3 ± 1 seconds	Elec. no variation Appearance no deformation		
11	<b>Bending Strength</b>	Unit : mm  Force : 1Kg / min.	Elec. no variation Appearance no deformation		
12	<b>Flexure Strength</b>	Unit : mm  Solder cream 0.15 mm	Elec. no variation Appearance no deformation		
13	<b>Terminal Strength</b>	 Mount on PCB Solder Cream 0.15 mm Push 10N force to X , Y direction	Elec. no variation Appearance no deformation		
14	<b>High-Voltage</b>	100 V DC between core & winding	Elec. no variation Appearance no deformation		
15	<b>Load life</b>	Temperature : 25 ± 3 °C Load : Allowed DC Current , Test Time : 96 ± 2 Hours	Elec. no variation Appearance no deformation		

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<b>File Version :</b> GSFM-SERIES-V1R5	<b>Editor :</b> David Wang
<b>Established Date :</b> 2021.09.22	<b>Description :</b> High Current Inductor
<b>Latest Edit Date :</b> 2022.08.30	<b>Product Type :</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

**Packaging Information :**

Tape Dimension ( mm ) :

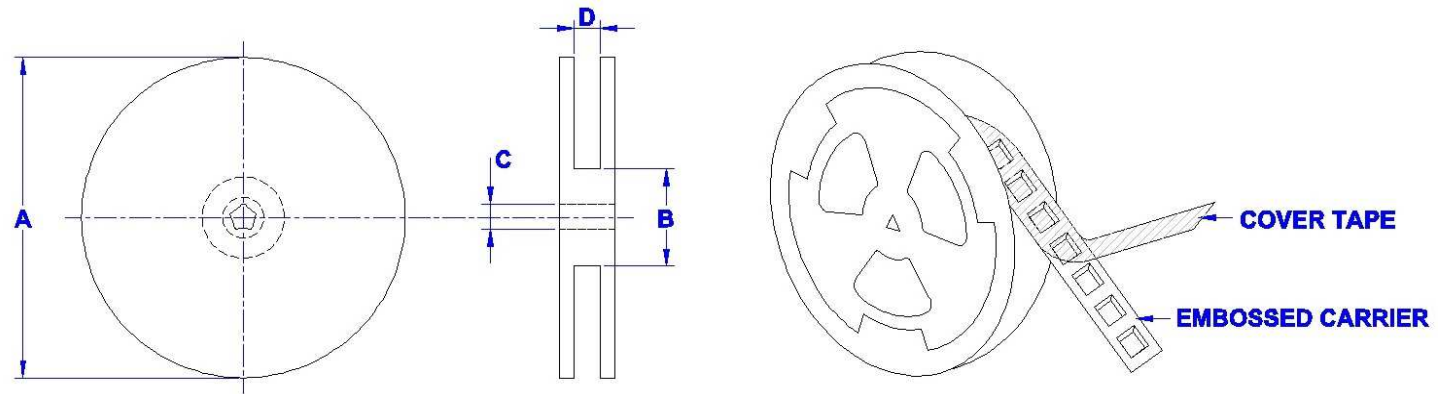


SIZE/mm	W (+/-0.3)	P (+/-0.1)	A0 (+/-0.1)	B0 (+/-0.1)	K0 (+/-0.1)	T (+/-0.1)	F (+/-0.1)
4020	12.0	8.0	4.7	4.7	2.3	0.35	5.5
4030	12.0	8.0	4.7	4.7	3.3	0.35	5.5
5020	12.0	8.0	6.4	6.1	2.3	0.35	5.5
5030	16.0	8.0	6.4	6.1	3.3	0.35	7.5
5050	16.0	8.0	6.4	6.1	5.3	0.35	7.5
6030	16.0	12.0	7.6	7.3	3.3	0.35	7.5
6040	16.0	12.0	7.6	7.3	4.3	0.35	7.5
6050	16.0	12.0	7.6	7.3	5.3	0.35	7.5
6060	16.0	12.0	7.6	6.3	6.3	0.35	7.5
7020	16.0	12.0	8.8	8.4	2.3	0.35	7.5
7030	16.0	12.0	8.8	8.4	3.3	0.35	7.5
7050	16.0	12.0	8.8	8.4	5.3	0.35	7.5
7070	16.0	12.0	8.8	8.4	7.3	0.35	7.5
8080	24.0	16.0	9.4	8.9	8.5	0.35	7.5
1031	24.0	16.0	12.4	11.5	3.3	0.35	11.5
1060	24.0	16.0	12.4	11.5	6.3	0.35	11.5
1010	24.0	16.0	12.4	11.5	10.3	0.35	11.5
1580	32.0	24.0	18.0	17.0	8.5	0.5	14.2
1510	32.0	24.0	18.0	17.0	10.5	0.5	14.2
1513	32.0	24.0	18.0	17.0	13.6	0.5	14.2

<b>Product Series :</b> GSFM	<b>Brand :</b> GOTREND
<b>File Version :</b> GSFM-SERIES-V1R5	<b>Editor :</b> David Wang
<b>Established Date :</b> 2021.09.22	<b>Description :</b> High Current Inductor
<b>Latest Edit Date :</b> 2022.08.30	<b>Product Type :</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

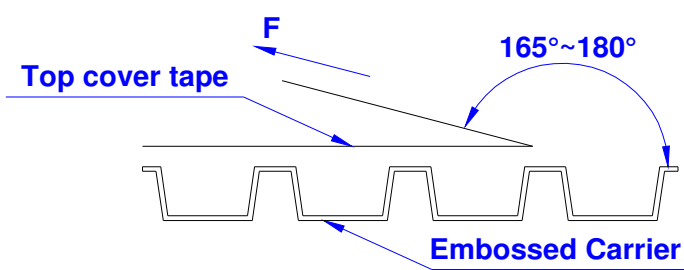
**Packaging Information :**

Reel Dimension ( mm ) :



SIZE/mm	REEL SIZE	A (Typ.)	B (+/-2.0)	C (+/-0.5)	D (+/-2.0)	QTY / Reel
4020	13" x 12 mm	330	100	13	12.4	3000PCS
4030	13" x 12 mm	330	100	13	12.4	2000PCS
5020	13" x 12 mm	330	100	13	12.4	3000PCS
5030	13" x 16 mm	330	100	13	16.4	2000PCS
5050	13" x 16 mm	330	100	13	16.4	1500PCS
6030	13" x 16 mm	330	100	13	16.4	1000PCS
6040	13" x 16 mm	330	100	13	16.4	800PCS
6050	13" x 16 mm	330	100	13	16.4	800PCS
6060	13" x 16 mm	330	100	13	16.4	750PCS
7020	13" x 16 mm	330	100	13	16.4	2000PCS
7030	13" x 16 mm	330	100	13	16.4	1500PCS
7050	13" x 16 mm	330	100	13	16.4	800PCS
7070	13" x 16 mm	330	100	13	16.4	700PCS
8080	13" x 24 mm	330	100	13	24.4	450PCS
1031	13" x 24 mm	330	100	13	24.4	1000PCS
1060	13" x 24 mm	330	100	13	24.4	500PCS
1010	13" x 24 mm	330	100	13	24.4	300PCS
1580	13" x 32 mm	330	100	13	32.4	200PCS
1510	13" x 32 mm	330	100	13	32.4	150PCS
1513	13" x 32 mm	330	100	13	32.4	100PCS

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 ).

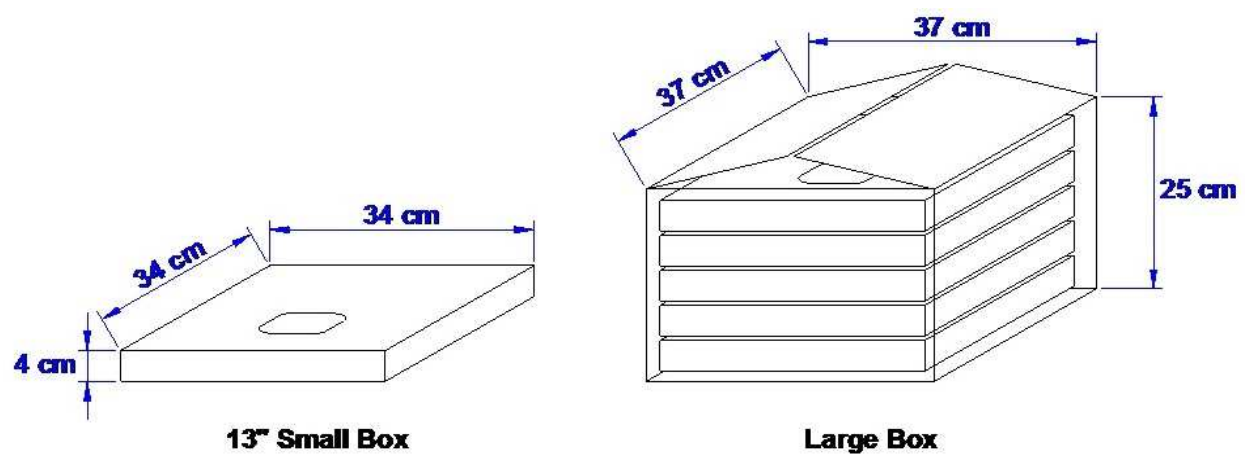
Room Temp. ( °C )	Room Humidity ( % )	Room Atm. ( hPa )	Tearing Speed ( mm / min )
5 ~ 35	45 ~ 85	860 ~ 1060	300



<b>Product Series :</b> GSFM	<b>Brand :</b> GOTREND
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<b>Latest Edit Date :</b> 2022.08.30	<b>Product Type :</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

**Packaging Information :**

Box Package :



SIZE/mm	Reels in Small Box	Small Box in Large Box
4020	2	5
4030	2	5
5020	1	5
5030	1	5
5050	1	5
6030	1	5
6040	1	5
6050	1	5
6060	1	5
7020	1	5
7030	1	5
7050	1	5
7070	1	5
8080	1	5
1031	1	5
1060	1	5
1010	1	5
1580	1	5
1510	1	5
1513	1	5