

Product Series : GAL	Brand : GOTREND
File Version : GAL-SERIES-V2R7	Editor : Teddy Sun
Established Date : 1997.06.23	Description : Axial Lead Inductor Choke
Latest Edit Date : 2020.10.28	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

REMINDERS

- ◆ Product information in this catalog is subject to change without notice, and is for reference only. Therefore, please contact GOTREND Technology to check for the latest information before practical application or usage of the products.
- ◆ This catalog contains only typical specifications, please contact GOTREND Technology for further details if you can not find special components or information you need in this catalogue. Please also approve our product specifications or transact the approval sheet for product specifications before ordering.
- ◆ This catalogue only applies to products purchased through GOTREND Technolgy or its official agencies. This catalogue does not apply to products that are purchased through other third parties.
- ◆ Please read Attention and CAUTION note (for storage, operating, rating, soldering, mounting and handling) in this catalog to ensure product proper usage.
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- ◆ Information and data provided in the brochure can and do vary in different applications, and actual performance may vary over time.
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- ◆ Any reproduction or extraction of the contents in this catalog is prohibited without prior permission from GOTREND Technology.
- ◆ Products listed in this catalog are intended for general electronic device usage under normal operation and use condition including telecommunication equipment, home appliances, sports equipment AV equipment, industrial machine, office equipment etc. Please take note that our products are not designed, intended or authorized for use in below mentioned applications unless explicitly agreed in writing between the parties to avoid product failure that could result in situation where personal injury or death could occur.

- (1) Aerospace/Aviation equipment
- (2) Atomic energy-related equipment
- (3) Disaster prevention/crime prevention equipment
- (4) Electric heating apparatus, burning equipment
- (5) Medical equipment
- (6) Military equipment
- (7) Power-generation control equipment
- (8) Public information-processing equipment
- (9) Safety equipment
- (10) Seabed equipment
- (11) Transportation control equipment
- (12) Transportation equipment (cars, electric trains, ships, etc.)
- (13) Other applications that are not considered general-purpose applications

- ◆ Our manufacturing sites fully compliance with requirement regarding the quality management system in the automotive industry under the IATF 16949 standard. GOTREND Technology respect individual agreements with reference to customer requirements and customer specific requirements (CSR). We will like to emphasize that only requirements mutually agreed upon will in implemented in our Quality Management System taking into consideration that IATF 16949 may appear to support the acceptance of unilateral requirements. We will only legally bind to this individually agreed upon agreement under the IATF 16949 standard.

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



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



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Features & Application :

- * Axial lead for through hole board facility
- * Fit for power line & signal line circuit
- * To help you go pass the CE/FCC standard.
- * PC / IA / IPC / RF...etc.



(Picture for reference only)

Part No. Example :

PN	:	GAL	<input type="checkbox"/>	0204	P	-	180	K
-----		-----	-----	-----	---		-----	---
ID	:	1	2	3	4		5	6
1	:	GOTREND TYPE:GAL						
2	:	Form : N = Normal Form , F / U = F / U Forming						
3	:	Dimension : Length-Width						
4	:	P = Pb free < 1000ppm						
5	:	Inductance : 180 = 18uH						
6	:	Tolerance : K = 10% (J = 5% ; K =10% ; M = 20%)						

Basic Information :

Made in	China
Pin Foot	DIP
Shielding	No
J-STD-020	MSL Level 1
RoHS	Compliant
REACH	Compliant
Halogen	Free

Operating & Storage Condition :

- * Operating Temp -40 ~ +85 deg.C (Including self - temperature rise)
- * Storage Temp 1. -10 ~ +45 deg.C , 50 ~ 60% RH (Product with taping)
2. -40 ~ +85 deg.C (On board)
- * Storage Life Time 12 Month (Less than 40 deg.C and 60% RH)

Attention & Caution :

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



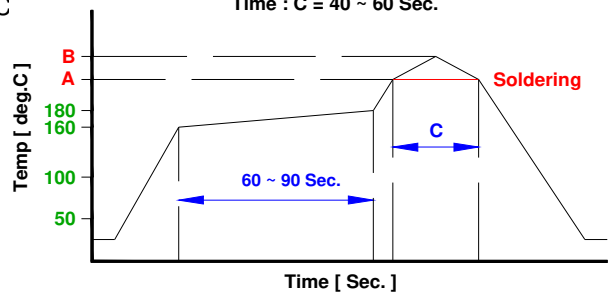
- * Pin foot or SMD pad solderability: Pb free type is best within 6 months after delivery
- * Humidity sensitive , IPC/JEDEC J-STD-020 MSL if over Level 1, recommend bake 30mins@150 degree before PCBA
- * Caution for human life relative applications : PLS contact & consult with GOTREND team in design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

Test Condition :

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

Recommend IR Reflow Curve : GTX-IR-FILE001

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

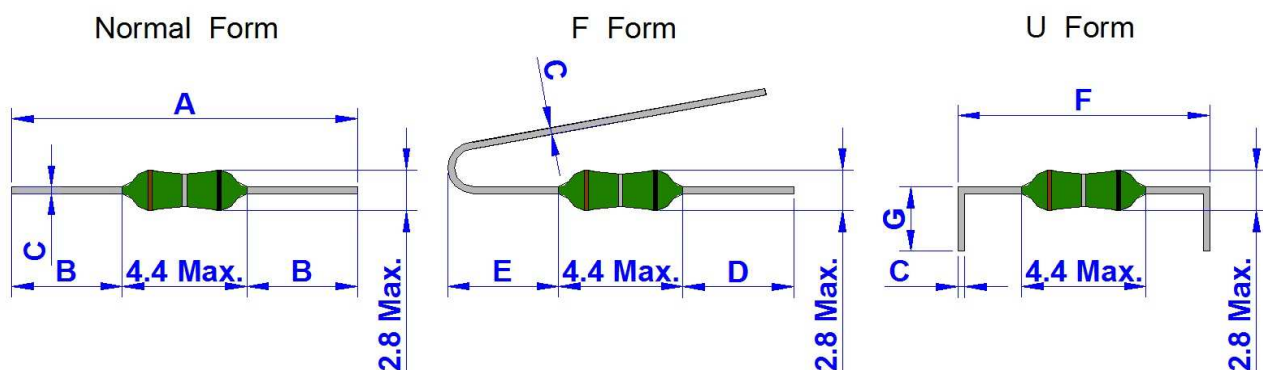


**Notice : Iron Soldering , Solder < 30 Watt ,
Direct touch the terminal x 3 Sec. Max. @ 350 deg.C**

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GAL□0204P- SERIES

Dimension [mm] :



Size	A	B	C	D	E	F	G
0204	62.0+/-2.0	29.5+/-3.0	0.5+/-0.05	3.6 Min.	6.0 Max.	10.0+/-1.0	6.0+/-1.0

Electrical Characteristics :

Part No.	Inductance (uH)	Test Freq. (MHz)	Q Min.	SRF (MHz) Min.	DCR (Ohm) Max.	IDC (mA) Max.	COLOR CODE		
							1st	2nd	3rd
GAL□0204P-R10□	0.10	25.2	50	250.0	0.030	700	Bn	Bk	S
GAL□0204P-R12□	0.12	25.2	55	230.0	0.035	660	Bn	R	S
GAL□0204P-R15□	0.15	25.2	55	200.0	0.040	620	Bn	Gn	S
GAL□0204P-R18□	0.18	25.2	55	180.0	0.045	600	Bn	Gy	S
GAL□0204P-R22□	0.22	25.2	55	160.0	0.050	400	R	R	S
GAL□0204P-R27□	0.27	25.2	50	150.0	0.065	380	R	V	S
GAL□0204P-R33□	0.33	25.2	50	150.0	0.075	370	O	O	S
GAL□0204P-R39□	0.39	25.2	50	150.0	0.080	350	O	W	S
GAL□0204P-R47□	0.47	25.2	60	150.0	0.085	330	Y	V	S
GAL□0204P-R56□	0.56	25.2	60	150.0	0.090	320	Gn	Bu	S
GAL□0204P-R68□	0.68	25.2	50	120.0	0.100	310	Bu	Gy	S
GAL□0204P-R82□	0.82	25.2	50	110.0	0.150	290	Gy	R	S
GAL□0204P-1R0□	1.00	25.2	50	110.0	0.220	270	Bn	Bk	Gd
GAL□0204P-1R2□	1.20	7.96	40	100.0	0.300	260	Bn	R	Gd
GAL□0204P-1R5□	1.50	7.96	40	80.0	0.350	250	Bn	Gn	Gd
GAL□0204P-1R8□	1.80	7.96	40	65.0	0.450	240	Bn	Gy	Gd
GAL□0204P-2R2□	2.20	7.96	40	55.0	0.550	230	R	R	Gd
GAL□0204P-2R7□	2.70	7.96	40	50.0	0.600	220	R	V	Gd
GAL□0204P-3R3□	3.30	7.96	40	42.0	0.650	210	O	O	Gd
GAL□0204P-3R9□	3.90	7.96	45	38.0	0.850	200	O	W	Gd
GAL□0204P-4R7□	4.70	7.96	45	34.0	1.000	190	Y	V	Gd
GAL□0204P-5R6□	5.60	7.96	45	32.0	1.150	180	Gn	Bu	Gd
GAL□0204P-6R8□	6.80	7.96	40	30.0	1.200	175	Bu	Gy	Gd
GAL□0204P-8R2□	8.20	7.96	40	26.0	1.250	165	Gy	R	Gd
GAL□0204P-100□	10.00	7.96	40	24.0	1.500	160	Bn	Bk	Bk
GAL□0204P-120□	12.00	2.52	50	22.0	2.200	150	Bn	R	Bk

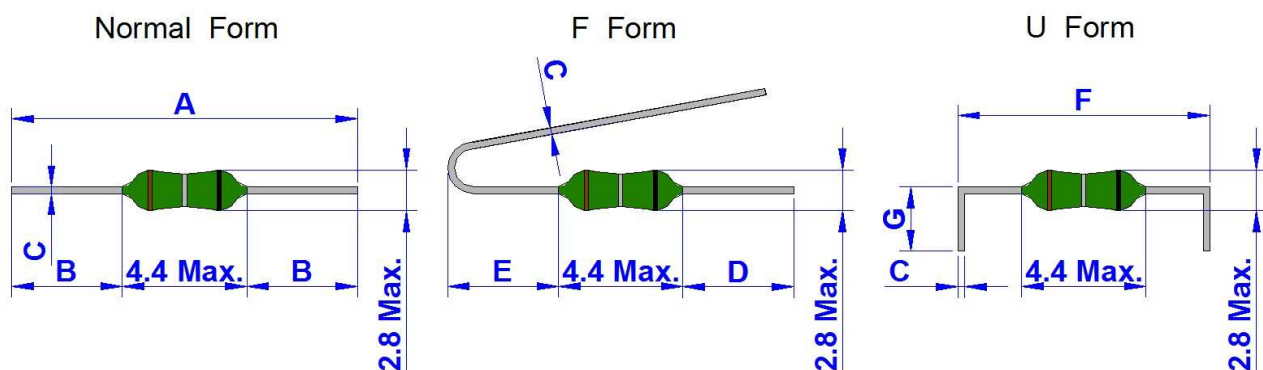
□ = J = 5% , K = 10% , M = 20%

IDC : Base on temp rise up 40 deg.C max.

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GAL□0204P- SERIES

Dimension [mm] :



Size	A	B	C	D	E	F	G
0204	62.0+/-2.0	29.5+/-3.0	0.5+/-0.05	3.6 Min.	6.0 Max.	10.0+/-1.0	6.0+/-1.0

Electrical Characteristics :

Part No.	Inductance (uH)	Test Freq. (MHz)	Q Min.	SRF (MHz) Min.	DCR (Ohm) Max.	IDC (mA) Max.	COLOR CODE		
							1st	2nd	3rd
GAL□0204P-150□	15.00	2.52	50	20.0	2.500	145	Bn	Gn	Bk
GAL□0204P-180□	18.00	2.52	50	18.0	2.800	140	Bn	Gy	Bk
GAL□0204P-220□	22.00	2.52	50	17.0	3.000	130	R	R	Bk
GAL□0204P-270□	27.00	2.52	55	14.0	3.500	80	R	V	Bk
GAL□0204P-330□	33.00	2.52	55	14.0	3.800	76	O	O	Bk
GAL□0204P-390□	39.00	2.52	50	13.0	4.200	74	O	W	Bk
GAL□0204P-470□	47.00	2.52	50	12.0	5.800	70	Y	V	Bk
GAL□0204P-560□	56.00	2.52	50	11.0	6.400	68	Gn	Bu	Bk
GAL□0204P-680□	68.00	2.52	50	10.0	7.200	64	Bu	Gy	Bk
GAL□0204P-820□	82.00	2.52	50	9.5	8.500	46	Gy	R	Bk
GAL□0204P-101□	100.00	2.52	50	9.0	11.000	44	Bn	Bk	Bn
GAL□0204P-121□	120.00	0.796	40	6.5	13.000	42	Bn	R	Bn
GAL□0204P-151□	150.00	0.796	40	6.0	16.000	39	Bn	Gn	Bn
GAL□0204P-181□	180.00	0.796	40	5.2	18.000	37	Bn	Gy	Bn
GAL□0204P-221□	220.00	0.796	40	4.5	20.000	35	R	R	Bn
GAL□0204P-271□	270.00	0.796	30	3.5	29.000	28	R	V	Bn
GAL□0204P-331□	330.00	0.796	30	3.0	30.000	26	O	O	Bn
GAL□0204P-391□	390.00	0.796	30	2.7	32.000	25	O	W	Bn
GAL□0204P-471□	470.00	0.796	30	2.6	35.000	24	Y	V	Bn
GAL□0204P-561□	560.00	0.796	30	2.5	40.000	23	Gn	Bu	Bn
GAL□0204P-681□	680.00	0.796	30	2.2	42.000	22	Bu	Gy	Bn
GAL□0204P-821□	820.00	0.796	30	2.1	46.000	21	Gy	R	Bn
GAL□0204P-102□	1000.00	0.796	30	2.0	52.000	20	Bn	Bk	R

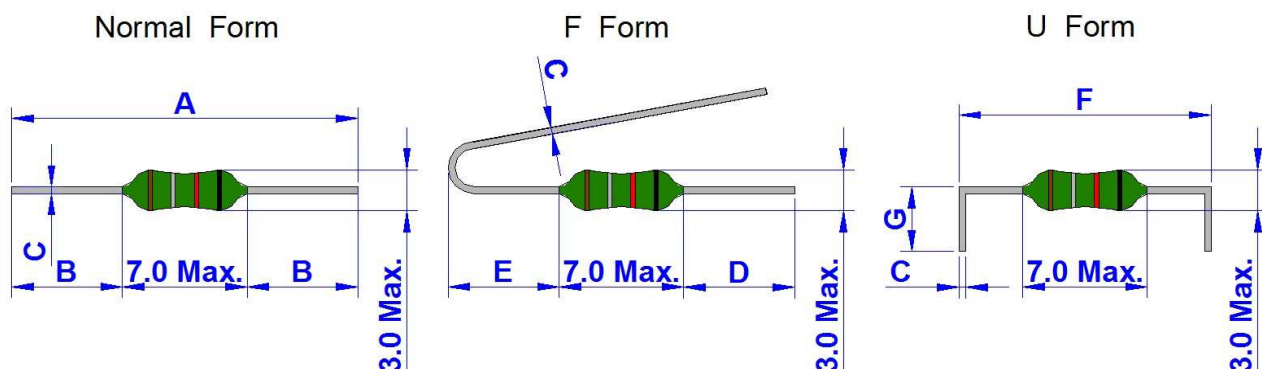
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IDC : Base on temp rise up 40 deg.C max.

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GAL□0307P- SERIES

Dimension [mm] :



Size	A	B	C	D	E	F	G
0307	62.0+/-2.0	28.0+/-3.0	0.5+/-0.05	3.6 Min.	6.0 Max.	10.0+/-1.0	6.0+/-1.0

Electrical Characteristics :

Part No.	Inductance (uH)	Test Freq. (MHz)	Q Min.	SRF (MHz) Min.	DCR (Ohm) Max.	IDC (mA) Max.	COLOR CODE			
							1st	2nd	3rd	4th
GAL□0307P-R10□	0.10	25.2	45	480.0	0.060	1400	Bn	Bk	S	Bk
GAL□0307P-R12□	0.12	25.2	45	450.0	0.060	1350	Bn	R	S	Bk
GAL□0307P-R15□	0.15	25.2	45	420.0	0.070	1270	Bn	Gn	S	Bk
GAL□0307P-R18□	0.18	25.2	45	400.0	0.070	1200	Bn	Gy	S	Bk
GAL□0307P-R22□	0.22	25.2	45	380.0	0.080	1150	R	R	S	Bk
GAL□0307P-R27□	0.27	25.2	45	360.0	0.090	1110	R	V	S	Bk
GAL□0307P-R33□	0.33	25.2	45	320.0	0.100	1110	O	O	S	Bk
GAL□0307P-R39□	0.39	25.2	45	310.0	0.120	1000	O	W	S	Bk
GAL□0307P-R47□	0.47	25.2	45	300.0	0.150	1000	Y	V	S	Bk
GAL□0307P-R56□	0.56	25.2	45	280.0	0.180	950	Gn	Bu	S	Bk
GAL□0307P-R68□	0.68	25.2	45	240.0	0.200	900	Bu	Gy	S	Bk
GAL□0307P-R82□	0.82	25.2	45	200.0	0.220	900	Gy	R	S	Bk
GAL□0307P-1R0□	1.00	25.2	45	180.0	0.250	815	Bn	Bk	Gd	S
GAL□0307P-1R2□	1.20	7.96	45	160.0	0.280	740	Bn	R	Gd	S
GAL□0307P-1R5□	1.50	7.96	45	140.0	0.300	700	Bn	Gn	Gd	S
GAL□0307P-1R8□	1.80	7.96	45	120.0	0.350	655	Bn	Gy	Gd	S
GAL□0307P-2R2□	2.20	7.96	45	110.0	0.400	630	R	R	Gd	S
GAL□0307P-2R7□	2.70	7.96	45	85.0	0.450	595	R	V	Gd	S
GAL□0307P-3R3□	3.30	7.96	45	74.0	0.500	575	O	O	Gd	S
GAL□0307P-3R9□	3.90	7.96	45	62.0	0.550	555	O	W	Gd	S
GAL□0307P-4R7□	4.70	7.96	45	48.0	0.600	530	Y	V	Gd	S
GAL□0307P-5R6□	5.60	7.96	45	35.0	0.650	500	Gn	Bu	Gd	S
GAL□0307P-6R8□	6.80	7.96	45	28.0	0.700	470	Bu	Gy	Gd	S
GAL□0307P-8R2□	8.20	7.96	45	20.0	0.800	425	Gy	R	Gd	S
GAL□0307P-100□	10.00	7.96	45	18.0	0.850	370	Bn	Bk	Bk	S
GAL□0307P-120□	12.00	2.52	45	16.0	0.900	350	Bn	R	Bk	S
GAL□0307P-150□	15.00	2.52	45	14.0	1.000	335	Bn	Gn	Bk	S

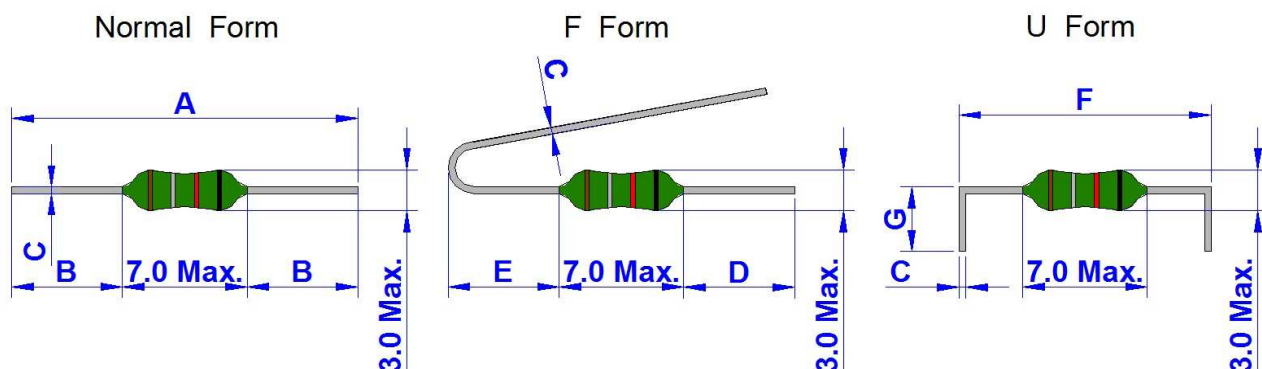
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GAL□0307P- SERIES

Dimension [mm] :



Size	A	B	C	D	E	F	G
0307	62.0+/-2.0	28.0+/-3.0	0.5+/-0.05	3.6 Min.	6.0 Max.	10.0+/-1.0	6.0+/-1.0

Electrical Characteristics :

Part No.	Inductance (uH)	Test Freq. (MHz)	Q Min.	SRF (MHz) Min.	DCR (Ohm) Max.	IDC (mA) Max.	COLOR CODE			
							1st	2nd	3rd	4th
GAL□0307P-180□	18.00	2.52	45	12.0	1.200	315	Bn	Gy	Bk	S
GAL□0307P-220□	22.00	2.52	45	10.0	1.350	285	R	R	Bk	S
GAL□0307P-270□	27.00	2.52	45	9.0	1.800	270	R	V	Bk	S
GAL□0307P-330□	33.00	2.52	45	8.0	2.100	255	O	O	Bk	S
GAL□0307P-390□	39.00	2.52	45	7.5	2.300	240	O	W	Bk	S
GAL□0307P-470□	47.00	2.52	50	7.0	2.600	205	Y	V	Bk	S
GAL□0307P-560□	56.00	2.52	50	6.5	2.900	195	Gn	Bu	Bk	S
GAL□0307P-680□	68.00	2.52	50	6.0	3.200	185	Bu	Gy	Bk	S
GAL□0307P-820□	82.00	2.52	50	5.5	3.800	175	Gy	R	Bk	S
GAL□0307P-101□	100.00	2.52	50	5.0	4.200	165	Bn	Bk	Bn	S
GAL□0307P-121□	120.00	0.796	50	4.8	4.500	160	Bn	R	Bn	S
GAL□0307P-151□	150.00	0.796	50	4.5	5.000	150	Bn	Gn	Bn	S
GAL□0307P-181□	180.00	0.796	50	4.0	6.000	140	Bn	Gy	Bn	S
GAL□0307P-221□	220.00	0.796	50	3.5	7.000	130	R	R	Bn	S
GAL□0307P-271□	270.00	0.796	50	3.0	7.500	120	R	V	Bn	S
GAL□0307P-331□	330.00	0.796	50	2.8	8.000	100	O	O	Bn	S
GAL□0307P-391□	390.00	0.796	50	2.6	10.000	95	O	W	Bn	S
GAL□0307P-471□	470.00	0.796	50	2.4	13.000	90	Y	V	Bn	S
GAL□0307P-561□	560.00	0.796	50	2.0	15.000	85	Gn	Bu	Bn	S
GAL□0307P-681□	680.00	0.796	50	1.8	16.000	75	Bu	Gy	Bn	S
GAL□0307P-821□	820.00	0.796	50	1.6	23.000	65	Gy	R	Bn	S
GAL□0307P-102□	1000.00	0.796	50	1.4	26.000	60	Bn	Bk	R	S

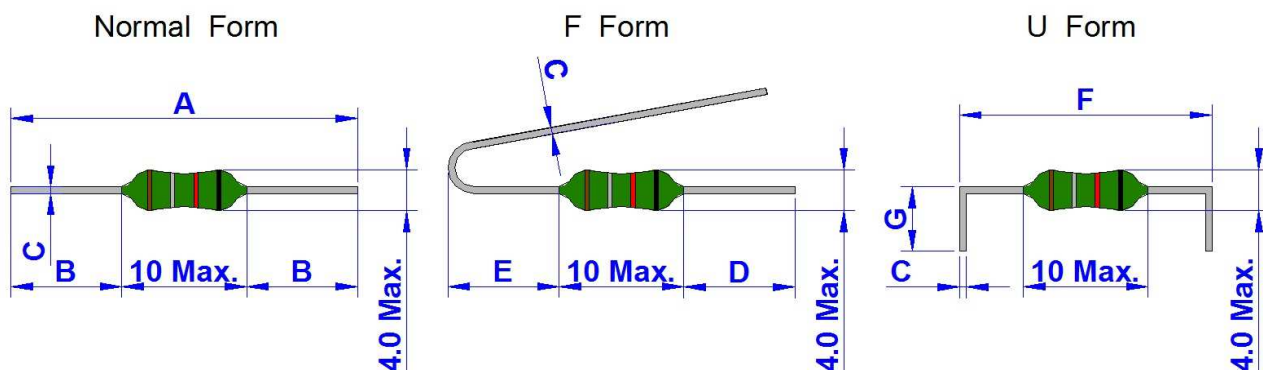
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IDC : Base on temp rise up 40 deg.C max.

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GAL□0410P- SERIES

Dimension [mm] :



Size	A	B	C	D	E	F	G
0410	62.0+/-2.0	26.0+/-3.0	0.65+/-0.05	4.0 Min.	6.0 Max.	12.5+/-1.0	6.0+/-1.0

Electrical Characteristics :

Part No.	Inductance (uH)	Test Freq. (MHz)	Q Min.	SRF (MHz) Min.	DCR (Ohm) Max.	IDC (mA) Max.	COLOR CODE			
							1st	2nd	3rd	4th
GAL□0410P-R10□	0.10	25.2	50	480.0	0.060	1700	Bn	Bk	S	Bk
GAL□0410P-R12□	0.12	25.2	50	450.0	0.060	1640	Bn	R	S	Bk
GAL□0410P-R15□	0.15	25.2	50	420.0	0.070	1560	Bn	Gn	S	Bk
GAL□0410P-R18□	0.18	25.2	50	400.0	0.070	1480	Bn	Gy	S	Bk
GAL□0410P-R22□	0.22	25.2	50	380.0	0.080	1400	R	R	S	Bk
GAL□0410P-R27□	0.27	25.2	50	340.0	0.090	1320	R	V	S	Bk
GAL□0410P-R33□	0.33	25.2	50	300.0	0.100	1280	O	O	S	Bk
GAL□0410P-R39□	0.39	25.2	50	280.0	0.120	1200	O	W	S	Bk
GAL□0410P-R47□	0.47	25.2	50	250.0	0.130	1150	Y	V	S	Bk
GAL□0410P-R56□	0.56	25.2	50	230.0	0.140	1100	Gn	Bu	S	Bk
GAL□0410P-R68□	0.68	25.2	50	210.0	0.150	1030	Bu	Gy	S	Bk
GAL□0410P-R82□	0.82	25.2	50	172.0	0.160	980	Gy	R	S	Bk
GAL□0410P-1R0□	1.00	25.2	50	157.0	0.170	920	Bn	Bk	Gd	S
GAL□0410P-1R2□	1.20	7.96	50	144.0	0.180	880	Bn	R	Gd	S
GAL□0410P-1R5□	1.50	7.96	50	131.0	0.200	830	Bn	Gn	Gd	S
GAL□0410P-1R8□	1.80	7.96	50	121.0	0.220	790	Bn	Gy	Gd	S
GAL□0410P-2R2□	2.20	7.96	50	110.0	0.240	750	R	R	Gd	S
GAL□0410P-2R7□	2.70	7.96	60	100.0	0.250	720	R	V	Gd	S
GAL□0410P-3R3□	3.30	7.96	60	94.0	0.300	670	O	O	Gd	S
GAL□0410P-3R9□	3.90	7.96	60	86.0	0.350	640	O	W	Gd	S
GAL□0410P-4R7□	4.70	7.96	70	80.0	0.400	650	Y	V	Gd	S
GAL□0410P-5R6□	5.60	7.96	70	74.0	0.450	590	Gn	Bu	Gd	S
GAL□0410P-6R8□	6.80	7.96	70	68.0	0.500	550	Bu	Gy	Gd	S
GAL□0410P-8R2□	8.20	7.96	80	53.0	0.600	530	Gy	R	Gd	S
GAL□0410P-100□	10.00	7.96	80	40.0	0.650	500	Bn	Bk	Bk	S
GAL□0410P-120□	12.00	2.52	70	34.0	0.700	480	Bn	R	Bk	S
GAL□0410P-150□	15.00	2.52	70	20.0	0.750	460	Bn	Gn	Bk	S

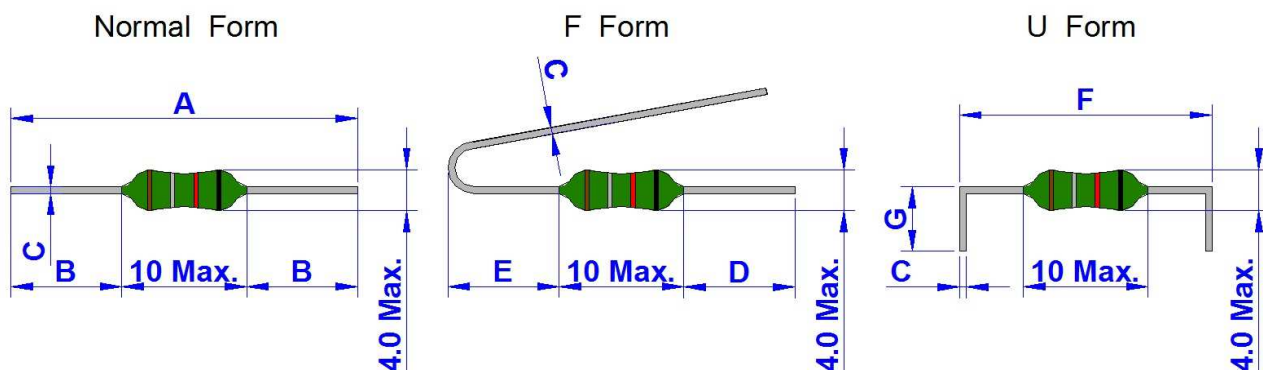
□ =J = 5% , K = 10% , M = 20%

IDC : Base on temp rise up 40 deg.C max.

Product Series : GAL	Brand : GOTREND
File Version : GAL-SERIES-V2R7	Editor : Teddy Sun
Established Date : 1997.06.23	Description : Axial Lead Inductor Choke
Latest Edit Date : 2020.10.28	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GAL□0410P- SERIES

Dimension [mm] :



Size	A	B	C	D	E	F	G
0410	62.0+/-2.0	26.0+/-3.0	0.65+/-0.05	4.0 Min.	6.0 Max.	12.5+/-1.0	6.0+/-1.0

Electrical Characteristics :

Part No.	Inductance (uH)	Test Freq. (MHz)	Q Min.	SRF (MHz) Min.	DCR (Ohm) Max.	IDC (mA) Max.	COLOR CODE			
							1st	2nd	3rd	4th
GAL□0410P-180□	18.00	2.52	60	14.0	0.800	430	Bn	Gy	Bk	S
GAL□0410P-220□	22.00	2.52	60	9.9	0.900	410	R	R	Bk	S
GAL□0410P-270□	27.00	2.52	50	7.6	1.000	390	R	V	Bk	S
GAL□0410P-330□	33.00	2.52	50	6.5	1.100	370	O	O	Bk	S
GAL□0410P-390□	39.00	2.52	50	6.5	1.200	350	O	W	Bk	S
GAL□0410P-470□	47.00	2.52	45	6.3	1.300	340	Y	V	Bk	S
GAL□0410P-560□	56.00	2.52	45	6.2	1.500	320	Gn	Bu	Bk	S
GAL□0410P-680□	68.00	2.52	40	5.7	1.800	305	Bu	Gy	Bk	S
GAL□0410P-820□	82.00	2.52	35	5.3	2.000	290	Gy	R	Bk	S
GAL□0410P-101□	100.00	2.52	30	4.8	2.500	275	Bn	Bk	Bn	S
GAL□0410P-121□	120.00	0.796	60	3.8	3.000	185	Bn	R	Bn	S
GAL□0410P-151□	150.00	0.796	60	3.5	4.000	175	Bn	Gn	Bn	S
GAL□0410P-181□	180.00	0.796	60	3.0	4.500	165	Bn	Gy	Bn	S
GAL□0410P-221□	220.00	0.796	60	2.8	5.000	155	R	R	Bn	S
GAL□0410P-271□	270.00	0.796	60	2.6	6.000	145	R	V	Bn	S
GAL□0410P-331□	330.00	0.796	60	2.4	6.500	137	O	O	Bn	S
GAL□0410P-391□	390.00	0.796	55	2.0	7.500	133	O	W	Bn	S
GAL□0410P-471□	470.00	0.796	50	1.8	8.500	126	Y	V	Bn	S
GAL□0410P-561□	560.00	0.796	50	1.6	9.500	120	Gn	Bu	Bn	S
GAL□0410P-681□	680.00	0.796	45	1.6	12.000	113	Bu	Gy	Bn	S
GAL□0410P-821□	820.00	0.796	45	1.4	14.000	105	Gy	R	Bn	S
GAL□0410P-102□	1000.00	0.796	40	1.2	20.000	85	Bn	Bk	R	S

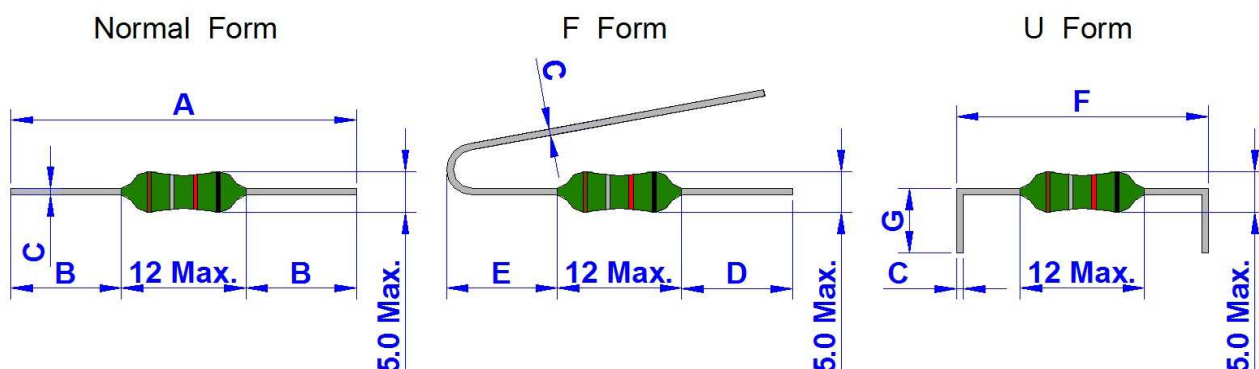
□ = J = 5% , K = 10% , M = 20%

IDC : Base on temp rise up 40 deg.C max.

Product Series : GAL	Brand : GOTREND
File Version : GAL-SERIES-V2R7	Editor : Teddy Sun
Established Date : 1997.06.23	Description : Axial Lead Inductor Choke
Latest Edit Date : 2020.10.28	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

GAL□0512P- SERIES

Dimension [mm] :



Size	A	B	C	D	E	F	G
0512	62.0+/-2.0	24.5+/-3.0	0.65+/-0.05	4.0 Min.	6.0 Max.	12.5+/-1.0	6.0+/-1.0

Electrical Characteristics :

Part No.	Inductance (mH)	Test Freq. (MHz)	Q Min.	SRF (MHz) Min.	DCR (Ohm) Max.	IDC (mA) Max.	COLOR CODE			
							1st	2nd	3rd	4th
GAL□0512P-102□	1.0	79.6	50	1.20	5	180	Bn	Bk	R	S
GAL□0512P-122□	1.2	252	80	1.30	9	110	Bn	R	R	S
GAL□0512P-152□	1.5	252	80	1.20	10	100	Bn	Gn	R	S
GAL□0512P-182□	1.8	252	80	1.20	11	90	Bn	Gy	R	S
GAL□0512P-222□	2.2	252	80	1.10	14	80	R	R	R	S
GAL□0512P-272□	2.7	252	80	0.85	18	75	R	V	R	S
GAL□0512P-332□	3.3	252	80	0.74	22	65	O	O	R	S
GAL□0512P-392□	3.9	252	80	0.70	26	60	O	W	R	S
GAL□0512P-472□	4.7	252	80	0.66	32	55	Y	V	R	S
GAL□0512P-562□	5.6	252	70	0.64	34	50	Gn	Bu	R	S
GAL□0512P-682□	6.8	252	70	0.58	45	45	Bu	Gy	R	S
GAL□0512P-822□	8.2	252	50	0.50	60	40	Gy	R	R	S
GAL□0512P-103□	10.0	79.6	50	0.48	70	38	Bn	Bk	O	S
GAL□0512P-123□	12.0	79.6	50	0.46	82	35	Bn	R	O	S
GAL□0512P-153□	15.0	79.6	50	0.40	89	32	Bn	Gn	O	S
GAL□0512P-183□	18.0	79.6	40	0.37	140	28	Bn	Gy	O	S
GAL□0512P-223□	22.0	79.6	40	0.33	170	25	R	R	O	S
GAL□0512P-253□	25.0	79.6	40	0.28	185	24	R	Gn	O	S
GAL□0512P-273□	27.0	79.6	40	0.26	210	23	R	V	O	S
GAL□0512P-303□	30.0	79.6	40	0.25	240	22	O	Bk	O	S
GAL□0512P-333□	33.0	79.6	40	0.24	250	20	O	O	O	S

□ = J = 5% , K = 10% , M = 20%

IDC : Base on temp rise up 40 deg.C max.

Product Series : GAL	Brand : GOTREND
File Version : GAL-SERIES-V2R7	Editor : Teddy Sun
Established Date : 1997.06.23	Description : Axial Lead Inductor Choke
Latest Edit Date : 2020.10.28	Product Type : <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Customize

Care note :

Care note for Use :

(1) Storage Condition :

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

(2) Use Temperature :

- a. Minimum Temperature : -40 deg.C Ambient temperature of this product.
- b. Maximum Temperature : +85 deg.C The value of temperature including ambient and temperature rise of this product.
- c. Reliability test temperature range from -40 ~ +85 deg.C
- d. However, this is not meant as temperature grade guarantee for UL.

(3) Model :

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

(4) Drop :

If this product suffered mechanical stress such as drop, characteristics may become poor (due to damage on coil / bobbin / ferrite ... etc.)
Never use such stressed product.

Care note for Safety :

(1) Provision to Abnormal Condition :

This product itself does not have any protective function in abnormal condition such as overload, short-circuit and open-circuit conditions, etc.
Therefore, it shall be confirmed from the end product that there is no risk of smoking, fire, dielectric withstand voltage insulation resistance,etc. in abnormal conditions to provide protective devices and /or protection circuit in the end product.

(2) Temperature Rise :

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

(3) Dielectric Strength :

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

(4) Water :

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

(5) Potting :

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

(6) Detergent :

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

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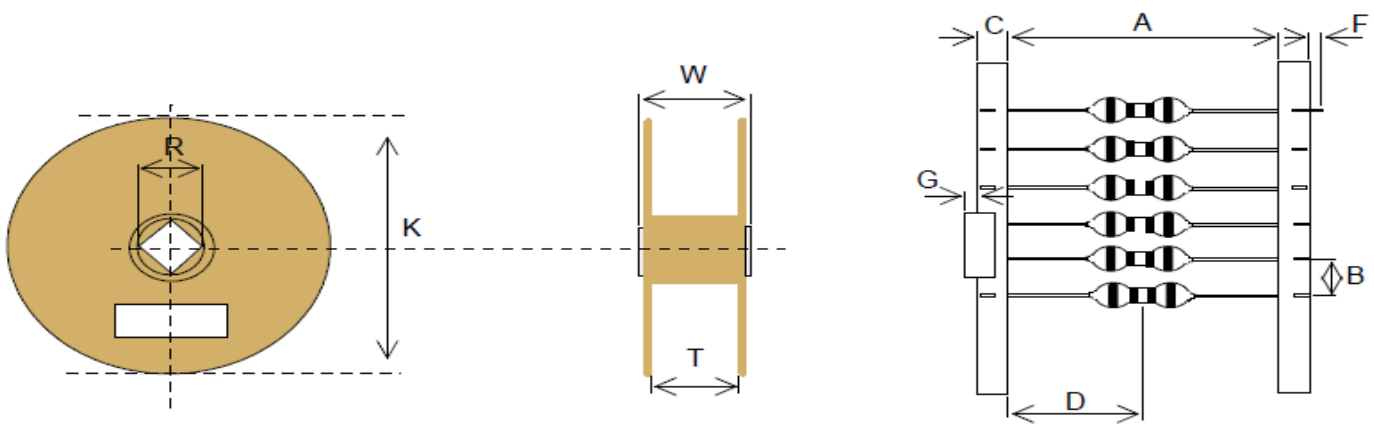
Reliability :

SN	Test Item	Test Condition			Specification
1	Dimension	Actual Size ...			Meet Spec
2	Thermal Shock (Temperature Cycle)	Temperature : -40 ~ +85 deg.C kept stabilized for 30 min. each Cycle : 100 Cycles (power off)			Elec. no variation Appearance no deformation
3	Humidity Resistance	Humidity : 90% ~ 95% RH Temperature : 60 ± 2 deg.C · Test Time : 96 ± 2 Hours			Elec. no variation Appearance no deformation
4	High Temperature	Temperature : 85 ± 2 deg.C Testing Time : 96 ± 2 Hours			Elec. no variation Appearance no deformation
5	Low Temperature	Temperature : -40 ± 2 deg.C Time : 96 ± 2 Hours			Elec. no variation Appearance no deformation
6	Temperature and Humidity Cycle	Temperature	Humidity	Time	Elec. no variation Appearance no deformation
		25 deg.C	90% ~ 95% RH	3.0 Hr	
		55 deg.C	95% ~ 96% RH	5.0 Hr	
		25 deg.C	90% ~ 95% RH	3.0 Hr	
		Cycle : 20 Cycles			
7	Vibration	Frequency : 10Hz ~ 55Hz · Amplitude : 1.5 mm Direction : X · Y · Z · Time : 2 Hours each			Elec. no variation Appearance no deformation
8	Solderability	Go through real SMT IR-Reflow The profile like our suggest profile. Preheat : 160 ± 10 deg.C (90 sec) Peak : 245 ± 5 deg.C Peak Time : 50 Sec. / up 217 deg.C			Elec. no variation Appearance no deformation
9	High-Voltage	100 V DC between core & winding			Elec. no variation Appearance no deformation
10	Load life	Temperature : 25 ± 3 deg.C Load : Allowed DC Current · Test Time : 96 ± 2 Hours			Elec. no variation Appearance no deformation

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Packaging Information :

Dimensions of Tape & Packing Unit :



(A) Dimensions of Tape & Reel

Sym.	Dimensions	Sym.	Dimensions	Sym.	Dimensions
A	52.00+/-1.50	F	0.80 (max)	R	17.50+/-0.50
B	5.00+/-0.50	G	1.00 (max)	T	66.00+/-0.50
C	6.00+/-1.00	K [0204 / 0307]	315.00+/-0.50	W	72.00+/-0.50
D	26.00+/-0.50	K [0410 / 0512]	335.00+/-0.50		

(B) Packing Unit for Reel

Item	GAL0204	GAL0307	GAL0410	GAL0512
Q' TY/Reel	5,000 PCS	5,000 PCS	5,000 PCS	3,000 PCS
Q' TY/CTN.	25,000 PCS	25,000 PCS	25,000 PCS	15,000 PCS
GW/CTN. (Approx.)	9.0 K gm	11.0 K gm	16.0 K gm	15.0 K gm
Carton Size (mm)	330x330x460	330x330x460	380x380x460	380x380x460