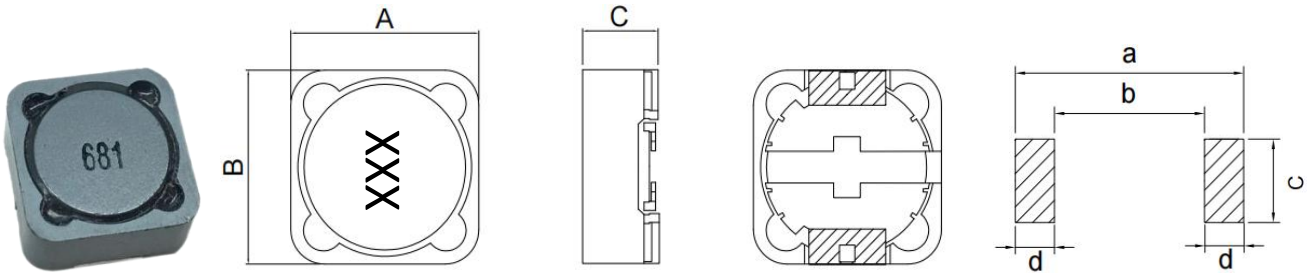


Shielded SMD Power Inductor

结构及外形尺寸 Dimensions of structure and shape



Part Number	Dimensions	Dimensions	Dimensions	Land Patterns		
	长 A (mm)	宽 B(mm)	高 C(mm)	推荐焊盘尺寸		
	A (mm)	B(mm)	C(mm)	b(mm)	c(mm)	d(mm)
GCRH1204N	12.0±0.3	12.0±0.3	4.50 max	7.00	5.40	2.90
GCRH1205N	12.0±0.3	12.0±0.3	6.00 max	7.00	5.40	2.90
GCRH1207N	12.0±0.3	12.0±0.3	8.00 max	7.00	5.40	2.90
GCRH1209N	12.0±0.3	12.0±0.3	10.0 max	7.00	5.40	2.90
GCRH1207M	12.0±0.5	12.0±0.5	8.00 max	7.00	5.40	2.90

特点 Features

- 铁氧体磁芯连接电极的结构
- Directly connected electrode on ferrite core
- 高功率，高饱和的电感
- High power, High saturation inductors
- 具备高防护性的磁屏蔽效果
- With magnetically shielded against radiation
- 高精密的表面贴装尺寸
- Highly accurate dimensions for surface mounting

应用 Applications

- 录像机电源
- Power Supply for VTRs.
- 液晶电视
- LCD Televisions
- 计算机
- Personal Computers
- 便携式通讯设备
- Handheld Communication Equipment
- DC/DC 转换器等
- DC/DC Converters, etc.

电感特性范围 Inductance and rated current ranges

GCRH1204N	3.3~330uH	15~990mΩ	6.50~0.50A
GCRH1205N	3.3~1000uH	14~1530mΩ	6.75~0.40A
GCRH1207N	3.3~1000uH	14~1820mΩ	7.80~0.55A
GCRH1207M	2.2~1000uH	7~1660mΩ	25.5~1.14A
GCRH1209N	6.8~1000uH	13~1270mΩ	10.0~0.76A

包装数量 Packaging Quantity

GCRH1204N	500PCS/R
GCRH1205N	400PCS/R
GCRH1207N	400PCS/R
GCRH1207M	500PCS/R
GCRH1209N	300PCS/R

★ 产品可以按客户要求定制

Products can be customized according to customer requirements

本产品符合车载信赖性标准AEC-Q200

This product Complied with automotive reliability test standard AEC-Q200



GCRH12 Series (SHIELDED)

ELECTRICAL SPECIFICATION

GCRH1204N Series (Quantity: 500PCS)/GCRH1204N 系列 (数量: 500PCS)

Part Number	Marking	Inductance (μ H)	DCR (m Ω) max.	Test Freq. (Hz)	Saturation Current(A)
GCRH1204N-3R3N02	3R3	3.3	15	100KHz/0.25v	6.50
GCRH1204N-4R7N02	4R7	4.7	18	100KHz/0.25v	5.70
GCRH1204N-6R8M02	6R8	6.8	23	100KHz/0.25v	4.90
GCRH1204N-100M02	100	10	28	100KHz/0.25v	4.50
GCRH1204N-150M02	150	15	50	100KHz/0.25v	3.20
GCRH1204N-220M02	220	22	66	100KHz/0.25v	2.90
GCRH1204N-330M02	330	33	97	100KHz/0.25v	2.70
GCRH1204N-470M02	470	47	150	100KHz/0.25v	1.90
GCRH1204N-680M02	680	68	220	100KHz/0.25v	1.50
GCRH1204N-820M02	820	82	260	100KHz/0.25v	1.30
GCRH1204N-101M02	101	100	308	100KHz/0.25v	1.20
GCRH1204N-221M02	221	220	700	100KHz/0.25v	0.80
GCRH1204N-331M02	331	330	990	100KHz/0.25v	0.50

GCRH1205N Series (Quantity: 500PCS)/GCRH1205N 系列 (数量: 400PCS)

Part Number	Marking	Inductance (μ H)	DCR (m Ω) max.	Test Freq. (Hz)	Saturation Current(A)
GCRH1205N-3R3N02	3R3	3.3	14	100KHz/0.25v	6.75
GCRH1205N-4R7N02	4R7	4.7	18	100KHz/0.25v	6.20
GCRH1205N-6R8M02	6R8	6.8	23	100KHz/0.25v	5.90
GCRH1205N-100M02	100	10	25	1KHz/0.25v	4.00
GCRH1205N-150M02	150	15	30	1KHz/0.25v	3.30
GCRH1205N-220M02	220	22	36	1KHz/0.25v	2.80
GCRH1205N-330M02	330	33	57	1KHz/0.25v	2.10
GCRH1205N-470M02	470	47	75	1KHz/0.25v	1.80
GCRH1205N-680M02	680	68	120	1KHz/0.25v	1.50
GCRH1205N-101M02	101	100	160	1KHz/0.25v	1.30
GCRH1205N-221M02	221	220	400	1KHz/0.25v	0.80
GCRH1205N-331M02	331	330	510	1KHz/0.25v	0.68
GCRH1205N-471M02	471	470	770	1KHz/0.25v	0.58
GCRH1205N-681M02	681	680	1200	1KHz/0.25v	0.48
GCRH1205N-821M02	821	820	1340	1KHz/0.25v	0.43
GCRH1205N-101M02	102	1000	1530	1KHz/0.25v	0.40



GCRH12 Series (SHIELDED)

ELECTRICAL SPECIFICATION

GCRH1207N Series (Quantity: 500PCS)/GCRH1207N 系列 (数量: 500PCS)

Part Number	Marking	Inductance (μ H)	DCR (m Ω) max.	Test Freq. (Hz)	Saturation Current(A)
GCRH1207N-3R3N02	3R3	3.3	13	100KHz/0.25v	7.80
GCRH1207N-4R7N02	4R7	4.7	16	100KHz/0.25v	6.80
GCRH1207N-7R6M02	7R6	7.6	20	100KHz/0.25v	5.90
GCRH1207N-100M02	100	10	22	1KHz/0.25v	5.40
GCRH1207N-150M02	150	15	27	1KHz/0.25v	4.50
GCRH1207N-220M02	220	22	43	1KHz/0.25v	3.60
GCRH1207N-330M02	330	33	65	1KHz/0.25v	3.00
GCRH1207N-470M02	470	47	100	1KHz/0.25v	2.50
GCRH1207N-680M02	680	68	140	1KHz/0.25v	2.10
GCRH1207N-101M02	101	100	220	1KHz/0.25v	1.70
GCRH1207N-221M02	221	220	390	1KHz/0.25v	1.16
GCRH1207N-331M02	331	330	640	1KHz/0.25v	0.95
GCRH1207N-471M02	471	470	980	1KHz/0.25v	0.79
GCRH1207N-681M02	681	680	1460	1KHz/0.25v	0.67
GCRH1207N-821M02	821	820	1640	1KHz/0.25v	0.60
GCRH1207N-102M02	102	1000	1820	1KHz/0.25v	0.55

GCRH1209N Series (Quantity: 300PCS)/GCRH1209N 系列 (数量: 300PCS)

Part Number	Marking	Inductance (μ H)	DCR (m Ω) max.	Test Freq. (Hz)	Saturation Current(A)
GCRH1209N-6R8M02	6R8	6.8	13	100KHz/0.25v	10.00
GCRH1209N-100M02	100	10	18	1KHz/0.25v	7.50
GCRH1209N-150M02	150	15	24	1KHz/0.25v	6.00
GCRH1209N-220M02	220	22	39	1KHz/0.25v	5.00
GCRH1209N-330M02	330	33	50	1KHz/0.25v	4.00
GCRH1209N-470M02	470	47	69	1KHz/0.25v	3.50
GCRH1209N-680M02	680	68	88	1KHz/0.25v	3.00
GCRH1209N-101M02	101	100	140	1KHz/0.25v	2.20
GCRH1209N-151M02	151	150	200	1KHz/0.25v	1.80
GCRH1209N-221M02	221	220	300	1KHz/0.25v	1.50
GCRH1209N-331M02	331	330	450	1KHz/0.25v	1.20
GCRH1209N-471M02	471	470	600	1KHz/0.25v	1.00
GCRH1209N-681M02	681	680	840	1KHz/0.25v	0.82
GCRH1209N-821M02	821	820	1060	1KHz/0.25v	0.80
GCRH1209N-102M02	102	1000	1270	1KHz/0.25v	0.76



GCRH12 Series (SHIELDED)

ELECTRICAL SPECIFICATION

GCRH1207M Series (Quantity: 500PCS)/GCRH1207M 系列 (数量: 500PCS)

Part Number	Marking	Inductance (μ H)	DCR (m Ω) max.	Test Freq. (Hz)	Saturation Current(A)
GCRH1207M-2R2N01	2R2	2.2	7	100KHz/0.25v	25.50
GCRH1207M-4R7M01	4R7	4.7	16	100KHz/0.25v	15.90
GCRH1207M-5R6M01	5R6	5.6	20	100KHz/0.25v	14.00
GCRH1207M-6R8M01	6R8	6.8	21	100KHz/0.25v	13.30
GCRH1207M-8R2M01	8R2	8.2	23	100KHz/0.25v	12.20
GCRH1207M-100M01	100	10	24	100KHz/0.25v	11.20
GCRH1207M-150M01	150	15	31	100KHz/0.25v	9.00
GCRH1207M-220M01	220	22	40	100KHz/0.25v	7.57
GCRH1207M-330M01	330	33	70	100KHz/0.25v	6.22
GCRH1207M-470M01	470	47	80	100KHz/0.25v	5.28
GCRH1207M-560M01	560	56	130	100KHz/0.25v	4.50
GCRH1207M-820M01	820	82	143	100KHz/0.25v	3.80
GCRH1207M-101M01	101	100	163	100KHz/0.25v	3.52
GCRH1207M-151M01	151	150	247	100KHz/0.25v	3.01
GCRH1207M-221M01	221	220	376	100KHz/0.25v	2.36
GCRH1207M-331M01	331	330	574	100KHz/0.25v	2.00
GCRH1207M-471M01	471	470	861	100KHz/0.25v	1.64
GCRH1207M-681M01	681	680	1080	100KHz/0.25v	1.38
GCRH1207M-821M01	821	820	1470	100KHz/0.25v	1.26
GCRH1207M-102M01	102	1000	1660	100KHz/0.25v	1.14