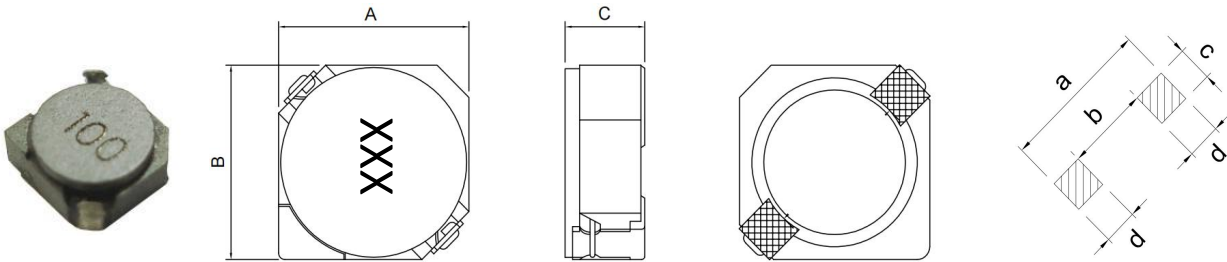


Shielded SMD Power Inductor

结构及外形尺寸 Dimensions of structure and shape



Part Number	Dimensions 长	Dimensions 宽	Dimensions高	Land Patterns 推荐焊盘尺寸		
	A (mm)	B(mm)	C(mm)	a(mm)	c(mm)	d(mm)
GCRH2D11N-A	3.00±0.2	3.00±0.2	1.25 max	4.30	1.30	1.30
GCRH2D14N-A	3.00±0.2	3.00±0.2	1.65 max	4.30	1.30	1.30
GCRH2D18N-A	3.00±0.2	3.00±0.2	2.00 max	4.30	1.30	1.30
GCRH3D11N-A	3.80±0.2	3.80±0.2	1.35 max	5.20	1.50	1.50
GCRH3D11N-A	3.80±0.2	3.80±0.2	1.35 max	5.20	1.50	1.50
GCRH3D16N-A	3.80±0.2	3.80±0.2	1.85 max	5.20	1.50	1.50
GCRH3D16N-A	3.80±0.2	3.80±0.2	1.85 max	5.20	1.50	1.50
GCRH3D28N-A	3.80±0.2	3.80±0.2	3.00 max	5.20	1.50	1.50

特点 Features

- 铁氧体磁芯连接电极的结构
- Directly connected electrode on ferrite core
- 较强的磁屏蔽结构
- Available in magnetically shielded
- 低直流电阻
- Low DC resistance
- 适用于大电流
- Suitable for large current
- 可以在料带和卷轴上实现自动化贴片
- Available on tape and reel for auto surface mounting

应用 Applications

- 录像机电源
- Power Supply For VTRs
- 自动化办公设备
- OA Equipment
- 笔记本电脑
- Notebook PC
- 便携式通信设备
- Portable Communication Equipment
- DC/DC 转换器等
- DC/DC Converters, etc.

电感特性范围 Inductance and rated current ranges

GCRH2D11N-A	1.5~47uH	68~1900mΩ	0.90~0.16A
GCRH2D14N-A	1.5~33uH	63~1200mΩ	1.80~0.40A
GCRH2D18N-A	2.2~47uH	86~1443mΩ	1.60~0.35A
GCRH3D11N-A	2.2~33uH	87~822mΩ	0.8~0.15A
GCRH3D11N-A	1.5~22uH	104~1010mΩ	1.45~0.38A
GCRH3D16N-A	2.2~33uH	72~675mΩ	1.20~0.32A
GCRH3D16N-A	2.2~33uH	59~870mΩ	1.75~0.46A
GCRH3D28N-A	2.2~47uH	66~559mΩ	2.20~0.48A

包装数量 Packaging Quantity

GCRH2D11N-A	4500PCS/R
GCRH2D14N-A	3000PCS/R
GCRH2D18N-A	3000PCS/R
GCRH3D11N-A	3000PCS/R
GCRH3D11N-A	3000PCS/R
GCRH3D16N-A	3000PCS/R
GCRH3D16N-A	3000PCS/R
GCRH3D28N-A	2500PCS/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



GCRH2D~3D-A Series (SHIELDED)

ELECTRICAL SPECIFICATION

GCRH2D11N-A Series (Quantity: 4500PCS)/GCRH2D11N-A 系列 (数量: 4500PCS)

Part Number	Marking	Inductance (μ H)	DCR (m Ω) max.	Test Freq. (Hz)	Saturation Current(A)
GCRH2D11N-1R5NA1	1R5	1.5	68	100KHz/1v	0.90
GCRH2D11N-2R2NA1	2R2	2.2	94	100KHz/1v	0.78
GCRH2D11N-3R3NA1	3R3	3.3	123	100KHz/1v	0.60
GCRH2D11N-4R7NA1	4R7	4.7	170	100KHz/1v	0.50
GCRH2D11N-6R8MA1	6R8	6.8	260	100KHz/1v	0.44
GCRH2D11N-100MA1	100	10	400	100KHz/1v	0.35
GCRH2D11N-150MA1	150	15	607	100KHz/1v	0.28
GCRH2D11N-220MA1	220	22	800	100KHz/1v	0.25
GCRH2D11N-330MA1	330	33	1510	100KHz/1v	0.20
GCRH2D11N-470MA1	470	47	1900	100KHz/1v	0.16

GCRH2D14N-A Series (Quantity: 3000PCS)/GCRH2D14N-A 系列 (数量: 3000PCS)

Part Number	Marking	Inductance (μ H)	DCR (m Ω) max.	Test Freq. (Hz)	Saturation Current(A)
GCRH2D14N-1R5NA1	1R5	1.5	63	100KHz/1v	1.80
GCRH2D14N-1R8NA1	1R8	1.8	75	100KHz/1v	1.65
GCRH2D14N-2R2MA1	2R2	2.2	94	100KHz/1v	1.50
GCRH2D14N-2R7MA1	2R7	2.7	106	100KHz/1v	1.35
GCRH2D14N-3R3MA1	3R3	3.3	125	100KHz/1v	1.20
GCRH2D14N-3R9MA1	3R9	3.9	138	100KHz/1v	1.10
GCRH2D14N-4R7MA1	4R7	4.7	169	100KHz/1v	1.00
GCRH2D14N-5R6MA1	5R6	5.6	188	100KHz/1v	0.95
GCRH2D14N-6R8MA1	6R8	6.8	213	100KHz/1v	0.85
GCRH2D14N-8R2MA1	8R2	8.2	281	100KHz/1v	0.80
GCRH2D14N-100MA1	100	10	294	100KHz/1v	0.70
GCRH2D14N-120MA1	120	12	394	100KHz/1v	0.62
GCRH2D14N-220MA1	220	22	774	100KHz/1v	0.42
GCRH2D14N-330MA1	330	33	1200	100KHz/1v	0.40



GCRH2D~3D-A Series (SHIELDED)

ELECTRICAL SPECIFICATION

GCRH2D18N-A Series (Quantity: 3000PCS)/GCRH2D18N-A 系列 (数量: 3000PCS)

Part Number	Marking	Inductance (uH)	DCR (mΩ) max.	Test Freq. (Hz)	Saturation Current(A)
GCRH2D18N-2R2MA1	2R2	2.2	86	100KHz/1v	1.60
GCRH2D18N-3R3MA1	3R3	3.3	143	100KHz/1v	1.45
GCRH2D18N-4R7MA1	4R7	4.7	188	100KHz/1v	1.20
GCRH2D18N-6R8MA1	6R8	6.8	195	100KHz/1v	1.05
GCRH2D18N-100MA1	100	10	245	100KHz/1v	0.85
GCRH2D18N-150MA1	150	15	345	100KHz/1v	0.70
GCRH2D18N-220MA1	220	22	585	100KHz/1v	0.60
GCRH2D18N-330MA1	330	33	900	100KHz/1v	0.50
GCRH2D18N-470MA1	470	47	1443	100KHz/1v	0.35

GCRH3D11N-A Series (Quantity: 3000PCS)/GCRH3D11N-A 系列 (数量: 3000PCS)

Part Number	Marking	Inductance (uH)	DCR (mΩ) max.	Test Freq. (Hz)	Saturation Current(A)
GCRH3D11N-2R2NA1	2R2	2.2	87	100KHz/1v	0.80
GCRH3D11N-3R3NA1	3R3	3.3	118	100KHz/1v	0.65
GCRH3D11N-4R7NA1	4R7	4.7	123	100KHz/1v	0.40
GCRH3D11N-6R8MA1	6R8	6.8	180	100KHz/1v	0.34
GCRH3D11N-100MA1	100	10	240	100KHz/1v	0.28
GCRH3D11N-150MA1	150	15	372	100KHz/1v	0.23
GCRH3D11N-220MA1	220	22	540	100KHz/1v	0.19
GCRH3D11N-330MA1	330	33	822	100KHz/1v	0.15

GCRH3D11N-A Series (Quantity: 3000PCS)/GCRH3D11N-A 系列 (数量: 3000PCS)

Part Number	Marking	Inductance (uH)	DCR (mΩ) max.	Test Freq. (Hz)	Saturation Current(A)
GCRH3D11N-1R5NA2	1R5	1.5	104	100KHz/1v	1.45
GCRH3D11N-2R2NA2	2R7	2.7	143	100KHz/1v	1.30
GCRH3D11N-3R3NA2	3R6	3.6	182	100KHz/1v	1.00
GCRH3D11N-4R7NA2	4R7	4.7	234	100KHz/1v	0.90
GCRH3D11N-6R8MA2	6R5	6.5	377	100KHz/1v	0.80
GCRH3D11N-100MA2	100	10	413	100KHz/1v	0.70
GCRH3D11N-150MA2	150	15	653	100KHz/1v	0.55
GCRH3D11N-220MA2	220	22	1010	100KHz/1v	0.38



GCRH2D~3D-A Series (SHIELDED)

ELECTRICAL SPECIFICATION

GCRH3D16N-A Series (Quantity: 3000PCS)/GCRH3D16N-A 系列 (数量: 3000PCS)

Part Number	Marking	Inductance (μ H)	DCR (m Ω) max.	Test Freq. (Hz)	Saturation Current(A)
GCRH3D16N-2R2MA1	2R2	2.2	72	100KHz/1v	1.20
GCRH3D16N-3R3MA1	3R3	3.3	85	100KHz/1v	1.10
GCRH3D16N-4R7MA1	4R7	4.7	105	100KHz/1v	0.90
GCRH3D16N-6R8MA1	6R8	6.8	170	100KHz/1v	0.73
GCRH3D16N-100MA1	100	10	210	100KHz/1v	0.55
GCRH3D16N-150MA1	150	15	295	100KHz/1v	0.45
GCRH3D16N-220MA1	220	22	430	100KHz/1v	0.40
GCRH3D16N-330MA1	330	33	675	100KHz/1v	0.32

GCRH3D16N-A Series (Quantity: 3000PCS)/GCRH3D16N-A 系列 (数量: 3000PCS)

Part Number	Marking	Inductance (μ H)	DCR (m Ω) max.	Test Freq. (Hz)	Saturation Current(A)
GCRH3D16N-2R2MA9	2R2	2.2	59	100KHz/1v	1.75
GCRH3D16N-3R3MA9	3R3	3.3	85	100KHz/1v	1.40
GCRH3D16N-4R7MA9	4R7	4.7	116	100KHz/1v	1.20
GCRH3D16N-6R8MA9	6R8	6.8	180	100KHz/1v	1.00
GCRH3D16N-100MA9	100	10	230	100KHz/1v	0.84
GCRH3D16N-150MA9	150	15	410	100KHz/1v	0.65
GCRH3D16N-220MA9	220	22	610	100KHz/1v	0.55
GCRH3D16N-330MA9	330	33	870	100KHz/1v	0.46

GCRH3D28N-A Series (Quantity: 2500PCS)/GCRH3D28N-A 系列 (数量: 2500PCS)

Part Number	Marking	Inductance (μ H)	DCR (m Ω) max.	Test Freq. (Hz)	Saturation Current(A)
GCRH3D28N-2R2MA1	2R2	2.2	66	100KHz/1v	2.20
GCRH3D28N-3R3MA1	3R3	3.3	72	100KHz/1v	2.00
GCRH3D28N-4R7MA1	4R7	4.7	88	100KHz/1v	1.65
GCRH3D28N-6R8MA1	6R8	6.8	119	100KHz/1v	1.24
GCRH3D28N-100MA1	100	10	145	100KHz/1v	1.05
GCRH3D28N-150MA1	150	15	213	100KHz/1v	0.90
GCRH3D28N-220MA1	220	22	335	100KHz/1v	0.76
GCRH3D28N-330MA1	330	33	481	100KHz/1v	0.58
GCRH3D28N-470MA1	470	47	559	100KHz/1v	0.48