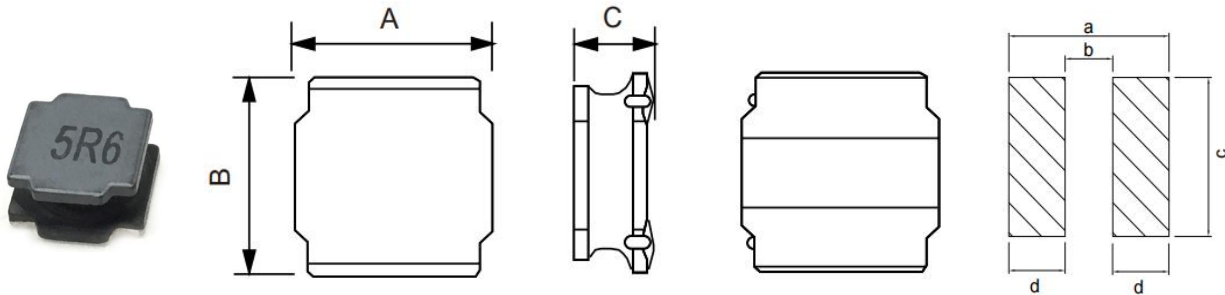


SMD Wire Wound Power Inductors

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)	a(mm)	c(mm)	d(mm)
GCNR2016A	2.00±0.3	1.60±0.3	1.05	2.10	1.40	0.70
GCNR2520A	2.50±0.3	2.00±0.3	1.00	2.50	2.00	0.85
GCNR2520A	2.50±0.3	2.00±0.3	1.20	2.50	2.00	0.85
GCNR3015A	3.00±0.2	3.00±0.2	1.55	3.10	2.70	0.80
GCNR4020A	4.00±0.2	4.00±0.2	2.00	4.10	3.70	1.20

特点 Features

- 合金材料提供更大的电流
- Alloy material provides greater current
- 合金材料具有更优异的抗冲击性和无损伤耐久性
- Metallization on ferrite core results in excellent shock resistance and damage-free durability
- 低DCR降低功率损耗，小体积占用PCB的空间更小
- Low DCR decreases power loss, small and slim take up less PCB real estate

应用 Applications

- 智能手机 机顶盒 虚拟现实 增强现实技术
- Smart phone, set top box, VR, AR
- 笔记本电脑, 台式电脑, 服务器
- Notebooks, desktop computers, servers
- 便携式游戏设备 个人导航系统 个人多媒体设备
- Portable gaming devices, personal navigation systems, personal multimedia devices

电感特性范围 Inductance and rated current ranges

GCNR2016A	0.24~10uH	40~875mΩ	4.50~0.80A
GCNR2520A	0.24~10uH	33~740mΩ	6.10~0.90A
GCNR2520A	0.24~10uH	23~480mΩ	6.50~1.10A
GCNR3015A	1.0~22uH	48~975mΩ	5.80~1.15A
GCNR4020A	1.0~10uH	32~235mΩ	7.70~2.80A

包装数量 Packaging Quantity

GCNR2016A	2000PCS/R
GCNR2520A	2000PCS/R
GCNR2520A	2000PCS/R
GCNR3015A	2000PCS/R
GCNR4020A	3000PCS/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



GCNR Series (SHIELDED)

ELECTRICAL SPECIFICATION

GCNR2016A Series (Quantity: 2000PCS)/GCNR2016A 系列 (数量: 2000PCS)

Part Number	Marking	Inductance (μ H)	DCR (m Ω) max.	Test Freq. (Hz)	Saturation Current(A)	Temperature Rise Current(A)
GCNR2016A-R24NG3	R24	0.24	40	100KHz/1v	4.50	3.00
GCNR2016A-R33NG3	R33	0.33	49	100KHz/1v	4.40	2.70
GCNR2016A-R47NG3	R47	0.47	49	100KHz/1v	4.00	2.70
GCNR2016A-R68NG3	R68	0.68	65	100KHz/1v	3.50	2.50
GCNR2016A-1R0NG3	1R0	1.0	95	100KHz/1v	3.30	2.00
GCNR2016A-1R5NG3	1R5	1.5	130	100KHz/1v	1.95	1.70
GCNR2016A-2R2MG3	2R2	2.2	180	100KHz/1v	1.90	1.40
GCNR2016A-3R3MG3	3R3	3.3	307	100KHz/1v	1.40	1.10
GCNR2016A-4R7MG3	4R7	4.7	425	100KHz/1v	1.10	0.90
GCNR2016A-6R8MG3	6R8	6.8	620	100KHz/1v	0.95	0.70
GCNR2016A-8R2MG3	8R2	8.2	870	100KHz/1v	0.86	0.66
GCNR2016A-100MG3	100	10	875	100KHz/1v	0.80	0.60

GCNR2520A-G Series (Quantity: 2000PCS)/GCNR2520A-G 系列 (数量: 2000PCS)

Part Number	Marking	Inductance (μ H)	DCR (m Ω) max.	Test Freq. (Hz)	Saturation Current(A)	Temperature Rise Current(A)
GCNR2520A-R24NH3	R24	0.24	33	100KHz/1v	6.10	3.70
GCNR2520A-R33NH3	R33	0.33	39	100KHz/1v	4.80	3.50
GCNR2520A-R47NH3	R47	0.47	45	100KHz/1v	4.40	3.20
GCNR2520A-R68NH3	R68	0.68	59	100KHz/1v	3.20	2.75
GCNR2520A-1R0NH3	1R0	1.0	85	100KHz/1v	3.10	2.20
GCNR2520A-1R5NH3	1R5	1.5	106	100KHz/1v	2.60	2.00
GCNR2520A-2R2MH3	2R2	2.2	155	100KHz/1v	1.90	1.50
GCNR2520A-3R3MH3	3R3	3.3	235	100KHz/1v	1.60	1.20
GCNR2520A-4R7MH3	4R7	4.7	290	100KHz/1v	1.30	1.00
GCNR2520A-6R8MH3	6R8	6.8	480	100KHz/1v	1.00	0.95
GCNR2520A-100MH3	100	10	740	100KHz/1v	0.90	0.65

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GCNR Series (SHIELDED)

ELECTRICAL SPECIFICATION

GCNR2520A-H Series (Quantity: 2000PCS)/GCNR2520A-H 系列 (数量: 2000PCS)

Part Number	Marking	Inductance (μ H)	DCR (m Ω) max.	Test Freq. (Hz)	Saturation Current(A)	Temperature Rise Current(A)
GCNR2520A-R24NH3	R24	0.24	23	100KHz/1v	6.50	4.05
GCNR2520A-R33NH3	R33	0.33	35	100KHz/1v	5.35	3.70
GCNR2520A-R47NH3	R47	0.47	35	100KHz/1v	4.90	3.45
GCNR2520A-R68NH3	R68	0.68	45	100KHz/1v	3.80	3.10
GCNR2520A-1R0NH3	1R0	1.0	54	100KHz/1v	3.60	3.00
GCNR2520A-1R5NH3	1R5	1.5	100	100KHz/1v	2.90	2.40
GCNR2520A-2R2NH3	2R2	2.2	120	100KHz/1v	2.60	1.90
GCNR2520A-3R3NH3	3R3	3.3	215	100KHz/1v	1.70	1.50
GCNR2520A-4R7NH3	4R7	4.7	260	100KHz/1v	1.60	1.25
GCNR2520A-6R8NH3	6R8	6.8	366	100KHz/1v	1.20	0.95
GCNR2520A-8R2NH3	8R2	8.2	460	100KHz/1v	1.15	0.88
GCNR2520A-100NH3	100	10	480	100KHz/1v	1.10	0.85

GCNR3015A Series (Quantity: 2000PCS)/GCNR3015A 系列 (数量: 2000PCS)

Part Number	Marking	Inductance (μ H)	DCR (m Ω) max.	Test Freq. (Hz)	Saturation Current(A)	Temperature Rise Current(A)
GCNR3015A-1R0N03	1R0	1.0	48	1MHz/0.1v	5.80	3.30
GCNR3015A-1R5N03	1R5	1.5	72	1MHz/0.1v	4.60	2.20
GCNR3015A-2R2M03	2R2	2.2	115	1MHz/0.1v	4.00	2.00
GCNR3015A-3R3M03	3R3	3.3	175	1MHz/0.1v	3.40	2.00
GCNR3015A-4R7M03	4R7	4.7	215	1MHz/0.1v	3.00	1.80
GCNR3015A-6R8M03	6R8	6.8	290	1MHz/0.1v	2.00	1.50
GCNR3015A-100M03	100	10	460	1MHz/0.1v	1.50	1.50
GCNR3015A-150M03	150	15	850	1MHz/0.1v	1.40	1.00
GCNR3015A-220M03	220	22	975	1MHz/0.1v	1.15	0.75



GCNR Series (SHIELDED)

■ ELECTRICAL SPECIFICATION

GCNR4020A Series (Quantity: 3000PCS)/GCNR4020A 系列 (数量: 3000PCS)

Part Number	Marking	Inductance (μ H)	DCR (m Ω) max.	Test Freq. (Hz)	Saturation Current(A)	Temperature Rise Current(A)
GCNR4020A-1R0N03	1R0	1.0	39	1MHz/0.1v	7.70	4.00
GCNR4020A-1R5N03	1R5	1.5	49	1MHz/0.1v	7.00	3.50
GCNR4020A-2R2M03	2R2	2.2	93	1MHz/0.1v	6.50	3.00
GCNR4020A-3R3M03	3R3	3.3	117	1MHz/0.1v	5.00	2.50
GCNR4020A-4R7M03	4R7	4.7	153	1MHz/0.1v	4.50	2.20
GCNR4020A-100M03	100	10	235	1MHz/0.1v	2.80	1.60