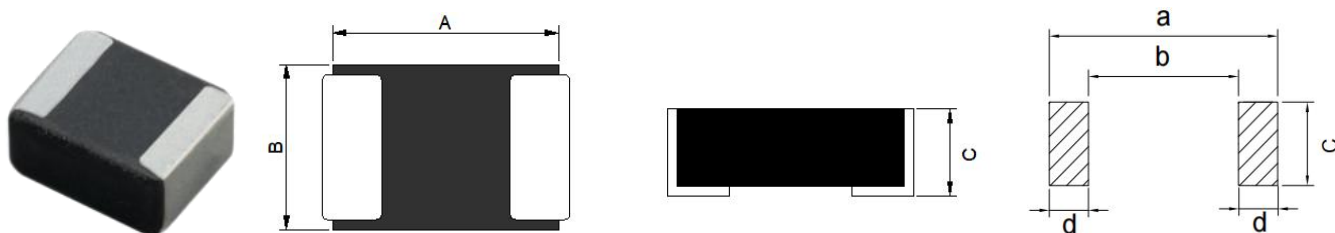


GCDA20 Series (SHIELDED)



Shielded Molding 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)	b(mm)	c(mm)
GCDA2016A-G1	2.00±0.20	1.60±0.20	1.00 max	2.00	0.90	1.60
GCDA2016A-G2	2.00±0.20	1.60±0.20	1.00 max	2.00	0.90	1.60
GCDA2520A-G1	2.50±0.20	2.00±0.20	1.00 max	2.80	1.20	2.00
GCDA2520A-G2	2.50±0.20	2.00±0.20	1.00 max	2.80	1.20	2.00
GCDA2520A-H1	2.50±0.20	2.00±0.20	1.20 max	2.80	1.20	2.00
GCDA2520A-H2	2.50±0.20	2.00±0.20	1.20 max	2.80	1.20	2.00

特点 Features

- 通过材料性能和结构设计而实现高饱和电流
- High saturation current realized by material properties and structure design
- 低直流电阻, 实现高转换效率, 低温升
- Low DC resistance to achieve high conversion efficiency and lower temperature rising
- 磁屏蔽结构, 以实现高效的EMC保护。
- Magnetically shielded structure to accomplish high resolution in EMC protection.

应用 Applications

- 智能手机, PDA
- Smart phone, PAD
- DC-DC转换器
- DC to DC Converters
- 薄型电源模块
- Thin-type power supply module
- 医疗设备
- Medical equipment

电感特性范围 Inductance and rated current ranges

GCDA2016A-G1	0.24~2.20uH	21~150mΩ	5.05~1.71A
GCDA2016A-G2	0.10~4.70uH	12~140mΩ	6.10~2.45A
GCDA2520A-G1	0.22~4.70uH	13~262mΩ	7.20~1.62A
GCDA2520A-G2	0.47~2.20uH	29~110mΩ	6.00~3.00A
GCDA2520A-H1	0.47~4.70uH	25~235mΩ	4.95~1.58A
GCDA2520A-H2	0.47~2.20uH	22~89mΩ	6.20~3.20A

包装数量 Packaging Quantity

GCDA2016A-G1	3000PCS/R
GCDA2016A-G2	3000PCS/R
GCDA2520A-G1	3000PCS/R
GCDA2520A-G2	3000PCS/R
GCDA2520A-H1	3000PCS/R
GCDA2520A-H2	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

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GCDA20 Series (SHIELDED)

ELECTRICAL SPECIFICATION

GCDA2016A Series (Quantity: 3000PCS)/GCDA2016A 系列 (数量: 3000PCS)

Part Number	Marking	Inductance (μ H)	DCR (m Ω) max.	Test Freq. (Hz/v)	Saturation Current(A)	Temperature Rise Current(A)
GCDA2016A-R24MG1	-	0.24	21	1MHz/1v	5.05	4.50
GCDA2016A-R33MG1	-	0.33	29	1MHz/1v	4.50	3.69
GCDA2016A-R47MG1	-	0.47	40	1MHz/1v	4.00	3.15
GCDA2016A-R68MG1	-	0.68	49	1MHz/1v	3.33	3.06
GCDA2016A-1R0MG1	-	1.00	69	1MHz/1v	2.61	2.26
GCDA2016A-1R5MG1	-	1.50	129	1MHz/1v	2.25	1.81
GCDA2016A-2R2MG1	-	2.20	150	1MHz/1v	1.71	1.50

GCDA2016A Series (Quantity: 3000PCS)/GCDA2016A 系列 (数量: 3000PCS)

Part Number	Marking	Inductance (μ H)	DCR (m Ω) max.	Test Freq. (Hz/v)	Saturation Current(A)	Temperature Rise Current(A)
GCDA2016A-R10MG2	-	0.10	12	1MHz/1v	8.10	5.40
GCDA2016A-R24MG2	-	0.24	20	1MHz/1v	6.30	5.30
GCDA2016A-R33MG2	-	0.33	26	1MHz/1v	6.10	4.20
GCDA2016A-R47MG2	-	0.47	30	1MHz/1v	5.30	4.10
GCDA2016A-R68MG2	-	0.68	47	1MHz/1v	4.20	3.50
GCDA2016A-1R0MG2	-	1.00	60	1MHz/1v	3.30	3.00
GCDA2016A-1R5MG2	-	1.50	99	1MHz/1v	3.10	2.20
GCDA2016A-2R2MG2	-	2.20	140	1MHz/1v	2.45	2.00
GCDA2016A-4R7MG2	-	4.70	288	1MHz/1v	1.60	1.10

GCDA2520A Series (Quantity: 3000PCS)/GCDA2520A 系列 (数量: 3000PCS)

Part Number	Marking	Inductance (μ H)	DCR (m Ω) max.	Test Freq. (Hz/v)	Saturation Current(A)	Temperature Rise Current(A)
GCDA2520A-R22MG1	-	0.22	12.5	1MHz/1v	7.20	5.30
GCDA2520A-R24MG1	-	0.24	14	1MHz/1v	7.00	4.80
GCDA2520A-R33MG1	-	0.33	26	1MHz/1v	6.00	4.00
GCDA2520A-R47MG1	-	0.47	32	1MHz/1v	4.50	3.51
GCDA2520A-R68MG1	-	0.68	44	1MHz/1v	3.87	3.06
GCDA2520A-1R0MG1	-	1.00	54	1MHz/1v	3.15	2.70
GCDA2520A-1R5MG1	-	1.50	91	1MHz/1v	2.34	2.25
GCDA2520A-2R2MG1	-	2.20	119	1MHz/1v	2.16	2.07
GCDA2520A-4R7MG1	-	4.70	262	1MHz/1v	1.62	1.22



GCDA20 Series (SHIELDED)

ELECTRICAL SPECIFICATION

GCDA2520A Series (Quantity: 3000PCS)/GCDA2520A 系列 (数量: 3000PCS)

Part Number	Marking	Inductance (μ H)	DCR (m Ω) max.	Test Freq. (Hz/v)	Saturation Current(A)	Temperature Rise Current(A)
GCDA2520A-R22MG2	-	0.22	13.5	1MHz/1v	9.00	6.30
GCDA2520A-R24MG2	-	0.24	14.5	1MHz/1v	8.00	6.00
GCDA2520A-R33MG2	-	0.33	22	1MHz/1v	7.00	4.80
GCDA2520A-R47MG2	-	0.47	29	1MHz/1v	6.00	4.40
GCDA2520A-R68MG2	-	0.68	36	1MHz/1v	5.00	3.70
GCDA2520A-1R0MG2	-	1.00	52	1MHz/1v	4.00	3.10
GCDA2520A-1R5MG2	-	1.50	72	1MHz/1v	3.40	2.50
GCDA2520A-2R2MG2	-	2.20	110	1MHz/1v	3.00	2.10
GCDA2520A-3R3MG2	-	3.30	160	1MHz/1v	2.20	1.60
GCDA2520A-4R7MG2	-	4.70	240	1MHz/1v	1.90	1.40

GCDA2520A Series (Quantity: 3000PCS)/GCDA2520A 系列 (数量: 3000PCS)

Part Number	Marking	Inductance (μ H)	DCR (m Ω) max.	Test Freq. (Hz/v)	Saturation Current(A)	Temperature Rise Current(A)
GCDA2520A-R47MH1	-	0.47	25	1MHz/1v	4.95	4.18
GCDA2520A-R68MH1	-	0.68	35	1MHz/1v	4.63	3.36
GCDA2520A-1R0MH1	-	1.00	49	1MHz/1v	4.04	3.18
GCDA2520A-1R5MH1	-	1.50	77	1MHz/1v	2.91	2.27
GCDA2520A-2R2MH1	-	2.20	98	1MHz/1v	2.73	2.06
GCDA2520A-3R3MH1	-	3.30	150	1MHz/1v	1.80	1.80
GCDA2520A-4R7MH1	-	4.70	235	1MHz/1v	1.58	1.40

GCDA2520A Series (Quantity: 3000PCS)/GCDA2520A 系列 (数量: 3000PCS)

Part Number	Marking	Inductance (μ H)	DCR (m Ω) max.	Test Freq. (Hz/v)	Saturation Current(A)	Temperature Rise Current(A)
GCDA2520A-R47MH2	-	0.47	22	1MHz/1v	6.20	4.90
GCDA2520A-1R0MH2	-	1.00	44	1MHz/1v	4.30	3.30
GCDA2520A-1R5MH2	-	1.50	63	1MHz/1v	3.50	2.50
GCDA2520A-2R2MH2	-	2.20	89	1MHz/1v	3.20	2.20
GCDA2520A-4R7MH2	-	4.70	180	1MHz/1v	2.00	1.50