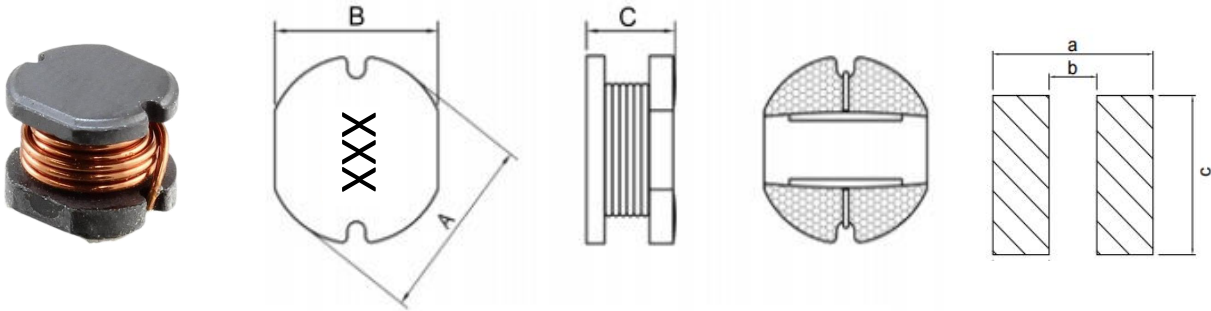


SMD Wire Wound Power Inductors

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)	b(mm)	c(mm)
GCCD3521N	3.50±0.3	3.00±0.3	2.10±0.3	3.20	1.60	3.50
GCCD4532N	4.50±0.3	4.00±0.3	3.20±0.3	5.00	1.20	4.50
GCCD5830N	5.80±0.3	5.20±0.3	3.00±0.3	6.00	1.60	5.40
GCCD5845N	5.80±0.3	5.20±0.3	4.50±0.3	6.00	1.60	5.40
GCCD7850N	7.80±0.3	7.00±0.3	5.00±0.3	7.80	3.40	7.80
GCCD1054N	10.0±0.4	9.00±0.3	5.40±0.3	10.00	2.50	9.50

特点 Features

- 高功率，高饱和的电感
- High power, High saturation inductors
- 一端银电镀型，较低的成本设计
- Silver Plated Type, Low cost design
- 适用于DC-DC转换器的理想选择
- Ideal inductors for DC-DC converters
- 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
- Power Supply For VTRs.
- 液晶电视
- LCD Televisions
- 笔记本电脑
- Personal Computers
- 移动通讯设备
- Handheld Communication
- DC/DC 转换器
- DC/DC Converters, etc.

电感特性范围 Inductance and rated current ranges

GCCD3521N	1.0~220uH	25~2100mΩ	3.40~0.25A
GCCD4532N	1.5~470uH	28~5850mΩ	4.00~0.21A
GCCD5830N	1.5~1000uH	30~8000mΩ	4.10~0.13A
GCCD5845N	1.5~1000uH	18~5740mΩ	7.00~0.23A
GCCD7850N	2.2~1000uH	23~4200mΩ	8.00~0.30A
GCCD1054N	2.2~1000uH	19~3490mΩ	8.00~0.50A

包装数量 Packaging Quantity

GCCD3521N	2000PCS/R
GCCD4532N	2000PCS/R
GCCD5830N	1500PCS/R
GCCD5845N	1500PCS/R
GCCD7850N	1000PCS/R
GCCD1054N	500PCS/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



GCCD Series (UNSHIELDED)

ELECTRICAL SPECIFICATION

GCCD3521N Series (Quantity: 3000PCS)/GCCD3521N 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)
GCCD3521N-1R0N01	1R0	1.0	45	100KHz/1v	4.00	3.40
GCCD3521N-1R5N01	1R5	1.5	55	100KHz/1v	3.30	3.20
GCCD3521N-2R2M01	2R2	2.2	76	100KHz/1v	2.50	2.40
GCCD3521N-3R3M01	3R3	3.3	120	100KHz/1v	2.10	2.00
GCCD3521N-4R7M01	4R7	4.7	170	100KHz/1v	1.70	1.60
GCCD3521N-6R8M01	6R8	6.8	200	100KHz/1v	1.50	1.40
GCCD3521N-100M01	100	10	320	100KHz/1v	1.15	1.10
GCCD3521N-220M01	220	22	660	100KHz/1v	0.85	0.80
GCCD3521N-330M01	330	33	920	100KHz/1v	0.70	0.65
GCCD3521N-470M01	470	47	1270	100KHz/1v	0.55	0.50
GCCD3521N-680M01	680	68	2000	100KHz/1v	0.45	0.40
GCCD3521N-101K01	101	100	2850	100KHz/1v	0.38	0.33
GCCD3521N-121K01	121	120	3400	100KHz/1v	0.36	0.31
GCCD3521N-151K01	151	150	4470	100KHz/1v	0.33	0.30
GCCD3521N-221K01	221	220	7310	100KHz/1v	0.25	0.25

GCCD4532N Series (Quantity: 2000PCS)/GCCD4532N 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)
GCCD4532N-1R5N01	1R5	1.5	28	100KHz/1v	4.00	2.50
GCCD4532N-2R2M01	2R2	2.2	46	100KHz/1v	3.30	2.40
GCCD4532N-3R3M01	3R3	3.3	48	100KHz/1v	2.70	2.00
GCCD4532N-4R7M01	4R7	4.7	69	100KHz/1v	2.40	1.62
GCCD4532N-100M01	100	10	172	100KHz/1v	1.50	1.04
GCCD4532N-150M01	150	15	200	100KHz/1v	1.25	0.85
GCCD4532N-180M01	180	18	274	100KHz/1v	1.10	0.74
GCCD4532N-220M01	220	22	312	100KHz/1v	1.00	0.68
GCCD4532N-330M01	330	33	494	100KHz/1v	0.75	0.56
GCCD4532N-470M01	470	47	734	100KHz/1v	0.65	0.44
GCCD4532N-680M01	680	68	806	100KHz/1v	0.55	0.37
GCCD4532N-101K01	101	100	1365	100KHz/1v	0.45	0.30
GCCD4532N-181K01	181	180	2145	100KHz/1v	0.38	0.20
GCCD4532N-221K01	221	220	2340	100KHz/1v	0.35	0.18
GCCD4532N-331K01	331	330	4550	100KHz/1v	0.25	0.16
GCCD4532N-471K01	471	470	5850	100KHz/1v	0.21	0.15

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GCCD Series (UNSHIELDED)

ELECTRICAL SPECIFICATION

GCCD5830N Series (Quantity: 1500PCS)/GCCD5830N 系列 (数量: 1500PCS)

Part Number	Marking	Inductance (μ H)	DCR (m Ω) max.	Test Freq. (Hz)	Saturation Current(A)	Temperature Rise Current(A)
GCCD5830N-1R5N01	1R5	1.5	30	100KHz/1v	4.10	3.70
GCCD5830N-2R2M01	2R2	2.2	30	100KHz/1v	3.50	3.30
GCCD5830N-3R3M01	3R3	3.3	50	100KHz/1v	2.80	2.70
GCCD5830N-4R7M01	4R7	4.7	70	100KHz/1v	2.50	2.40
GCCD5830N-5R6M01	5R6	6.2	80	100KHz/1v	2.40	2.30
GCCD5830N-6R8M01	6R8	6.8	90	100KHz/1v	2.20	2.10
GCCD5830N-8R2M01	8R2	8.2	100	100KHz/1v	2.00	1.90
GCCD5830N-100M01	100	10	130	100KHz/1v	1.80	1.44
GCCD5830N-150M01	150	15	190	100KHz/1v	1.70	1.30
GCCD5830N-220M01	220	22	280	100KHz/1v	1.50	1.11
GCCD5830N-330M01	330	33	380	100KHz/1v	1.10	0.88
GCCD5830N-470M01	470	47	430	100KHz/1v	0.90	0.72
GCCD5830N-101K01	101	100	1100	100KHz/1v	0.60	0.52
GCCD5830N-221K01	221	220	2000	100KHz/1v	0.38	0.35
GCCD5830N-331K01	331	330	3300	100KHz/1v	0.28	0.28
GCCD5830N-102K01	102	1000	8000	100KHz/1v	0.13	0.13

GCCD5845N Series (Quantity: 1500PCS)/GCCD5845N 系列 (数量: 1500PCS)

Part Number	Marking	Inductance (μ H)	DCR (m Ω) max.	Test Freq. (Hz)	Saturation Current(A)	Temperature Rise Current(A)
GCCD5845N-1R5N01	1R5	1.5	18	100KHz/1v	7.00	6.50
GCCD5845N-2R2M01	2R2	2.2	24	100KHz/1v	6.50	6.00
GCCD5845N-3R3M01	3R3	3.3	34	100KHz/1v	5.00	4.50
GCCD5845N-4R7M01	4R7	4.7	46	100KHz/1v	3.90	3.60
GCCD5845N-5R6M01	5R6	6.2	56	100KHz/1v	3.80	3.30
GCCD5845N-6R8M01	6R8	6.8	60	100KHz/1v	3.60	3.20
GCCD5845N-8R2M01	8R2	8.2	60	100KHz/1v	3.20	3.00
GCCD5845N-100M01	100	10	100	100KHz/1v	2.70	2.50
GCCD5845N-150M01	150	15	140	100KHz/1v	1.80	1.70
GCCD5845N-220M01	220	22	180	100KHz/1v	1.50	1.40
GCCD5845N-330M01	330	33	230	100KHz/1v	1.30	1.20
GCCD5845N-470M01	470	47	370	100KHz/1v	1.00	0.90
GCCD5845N-101K01	101	100	700	100KHz/1v	0.75	0.60
GCCD5845N-221K01	221	220	1570	100KHz/1v	0.50	0.45
GCCD5845N-331K01	331	330	1820	100KHz/1v	0.45	0.42
GCCD5845N-102K01	102	1000	5740	100KHz/1v	0.23	0.16



GCCD Series (UNSHIELDED)

ELECTRICAL SPECIFICATION

GCCD7850N Series (Quantity: 1000PCS)/GCCD7850N 系列 (数量: 1000PCS)

Part Number	Marking	Inductance (μ H)	DCR (m Ω) max.	Test Freq. (Hz)	Saturation Current(A)	Temperature Rise Current(A)
GCCD7850N-2R2M01	2R2	2.2	23	100KHz/1v	8.00	6.00
GCCD7850N-3R3M01	3R3	3.3	28	100KHz/1v	6.00	5.00
GCCD7850N-4R7M01	4R7	4.7	45	100KHz/1v	5.20	4.50
GCCD7850N-5R6M01	5R6	5.6	48	100KHz/1v	5.00	3.80
GCCD7850N-6R8M01	6R8	6.8	58	100KHz/1v	4.20	3.50
GCCD7850N-8R2M01	8R2	8.2	70	100KHz/1v	3.90	3.00
GCCD7850N-100M01	100	10	70	100KHz/1v	3.80	2.80
GCCD7850N-150M01	150	15	90	100KHz/1v	3.00	2.70
GCCD7850N-220M01	220	22	110	100KHz/1v	2.50	2.30
GCCD7850N-270M01	270	27	120	100KHz/1v	2.30	2.00
GCCD7850N-330M01	330	33	130	100KHz/1v	2.10	1.80
GCCD7850N-470M01	470	47	180	100KHz/1v	1.90	1.50
GCCD7850N-680M01	680	68	280	100KHz/1v	1.50	1.30
GCCD7850N-101K01	101	100	430	100KHz/1v	1.20	1.00
GCCD7850N-221K01	221	220	960	100KHz/1v	0.80	0.70
GCCD7850N-331K01	331	330	1210	100KHz/1v	0.70	0.50
GCCD7850N-471K01	471	470	1960	100KHz/1v	0.50	0.40
GCCD7850N-102K01	102	1000	4200	100KHz/1v	0.30	0.28

GCCD1054N Series (Quantity: 500PCS)/GCCD1054N 系列 (数量: 500PCS)

Part Number	Marking	Inductance (μ H)	DCR (m Ω) max.	Test Freq. (Hz)	Saturation Current(A)	Temperature Rise Current(A)
GCCD1054N-2R2M01	2R2	2.2	19	100KHz/1v	8.00	6.80
GCCD1054N-3R3M01	3R3	3.3	25	100KHz/1v	7.00	3.05
GCCD1054N-4R7M01	4R7	4.7	30	100KHz/1v	7.00	2.90
GCCD1054N-6R8M01	6R8	6.8	45	100KHz/1v	6.00	2.75
GCCD1054N-100M01	100	10	60	100KHz/1v	4.20	2.60
GCCD1054N-150M01	150	15	80	100KHz/1v	4.00	2.27
GCCD1054N-220M01	220	22	100	100KHz/1v	3.90	1.95
GCCD1054N-330M01	330	33	120	100KHz/1v	2.50	1.50
GCCD1054N-470M01	470	47	170	100KHz/1v	2.20	1.28
GCCD1054N-680M01	680	68	220	100KHz/1v	1.20	1.11
GCCD1054N-101K01	101	100	350	100KHz/1v	1.00	0.97
GCCD1054N-151K01	151	150	470	100KHz/1v	0.90	0.78
GCCD1054N-221K01	221	220	730	100KHz/1v	0.80	0.66
GCCD1054N-331K01	331	330	1150	100KHz/1v	0.70	0.52
GCCD1054N-471K01	471	470	1480	100KHz/1v	0.65	0.42
GCCD1054N-681K01	681	680	2250	100KHz/1v	0.60	0.28
GCCD1054N-821K01	821	820	2550	100KHz/1v	0.55	0.24
GCCD1054N-102K01	102	1000	3490	100KHz/1v	0.50	0.20