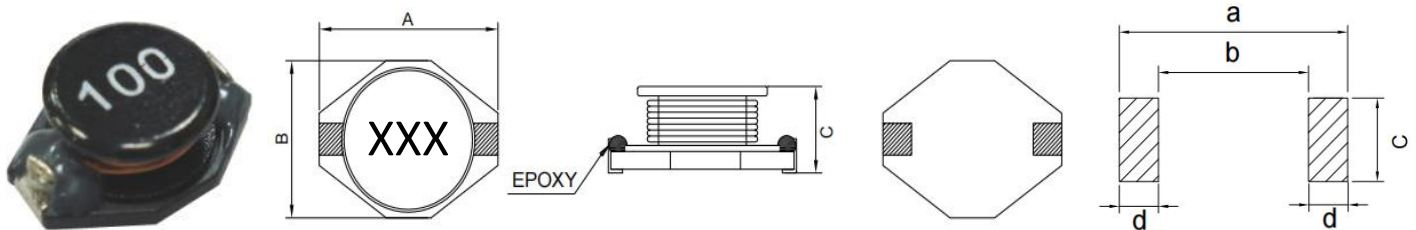


## SMD Wire Wound Power Inductors

### 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)	b(mm)	c(mm)	d(mm)
GCDR0402M	6.60 max	4.45 max	2.92 max	4.06	3.56	1.40
GCDR0802M	12.95 max	9.40 max	3.00 max	7.37	2.79	2.92
GCDR0804M	12.95 max	9.40 max	5.21 max	7.37	2.79	2.92
GCDR0810M	12.95 max	9.40 max	11.43 max	7.37	2.79	2.92
GCDR1206M	18.54 max	15.24 max	7.11 max	12.45	2.79	2.92

### 特点 Features

- 高功率，高饱和的电感
- High power, High saturation inductors
- 笔记本电脑、PDA、升压或降压转换器、闪存编程器等中DC-DC转换器的理想电感器
- Ideal inductors for DC-DC converters in notebook computer, PDAs, Step-up or step-down converters, flash memory programmers, etc.

### 应用 Applications

- 移动电话
- Portable Telephones
- 计算机
- Personal Computers
- DC/DC 转换器等
- DC/DC Converters, etc.
- 其他各种电子电器
- Other Various Electronic Appliances

### 电感特性范围 Inductance and rated current ranges

GCDR0402M	1.0~1000uH	50~13800mΩ	2.90~0.10A
GCDR0802M	1.0~1000uH	24~8400mΩ	5.15~0.10A
GCDR0804M	2.2~1000uH	12~3000mΩ	11.0~0.35A
GCDR0810M	2.2~1000uH	12~2000mΩ	20.0~0.80A
GCDR1206M	1.0~1000uH	9~1800mΩ	20.0~1.00A

### 包装数量 Packaging Quantity

GCDR0402M	2000PCS/R
GCDR0802M	1000PCS/R
GCDR0804M	1000PCS/R
GCDR0810M	225PCS/R
GCDR1206M	250PCS/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



# GCDR Series (UNSHIELDED)

## ELECTRICAL SPECIFICATION

GCDR0402M Series (Quantity: 2000PCS)/GCDR0402M 系列 (数量: 2000PCS)

Part Number	Marking	Inductance ( $\mu$ H)	DCR ( $\Omega$ ) max.	Test Freq. (Hz)	Saturation Current(A)
GCDR0402M-1R0M01	1R0	1.0	0.05	100KHz/0.1v	2.90
GCDR0402M-1R5M01	1R5	1.5	0.06	100KHz/0.1v	2.60
GCDR0402M-2R2M01	2R2	2.2	0.07	100KHz/0.1v	2.30
GCDR0402M-3R3M01	3R3	3.3	0.08	100KHz/0.1v	2.00
GCDR0402M-4R7M01	4R7	4.7	0.09	100KHz/0.1v	1.50
GCDR0402M-6R8M01	6R8	6.8	0.13	100KHz/0.1v	1.20
GCDR0402M-8R2M01	8R2	8.2	0.16	100KHz/0.1v	1.15
GCDR0402M-100M01	100	10	0.16	100KHz/0.1v	1.10
GCDR0402M-150M01	150	15	0.23	100KHz/0.1v	0.90
GCDR0402M-220M01	220	22	0.37	100KHz/0.1v	0.70
GCDR0402M-330M01	330	33	0.51	100KHz/0.1v	0.58
GCDR0402M-470M01	470	47	0.64	100KHz/0.1v	0.50
GCDR0402M-680M01	680	68	0.86	100KHz/0.1v	0.40
GCDR0402M-101M01	101	100	1.27	100KHz/0.1v	0.31
GCDR0402M-151M01	151	150	2.00	100KHz/0.1v	0.27
GCDR0402M-221M01	221	220	3.11	100KHz/0.1v	0.22
GCDR0402M-331M01	331	330	3.80	100KHz/0.1v	0.18
GCDR0402M-471M01	471	470	5.06	100KHz/0.1v	0.16
GCDR0402M-681M01	681	680	9.20	100KHz/0.1v	0.14
GCDR0402M-102M01	102	1000	13.80	100KHz/0.1v	0.10



# GCDR Series (UNSHIELDED)

## ELECTRICAL SPECIFICATION

GCDR0802M Series (Quantity: 2000PCS)/GCDR0802M 系列 (数量: 2000PCS)

Part Number	Marking	Inductance ( $\mu$ H)	DCR ( $\Omega$ ) max.	Test Freq. (Hz)	Saturation Current(A)
GCDR0802M-1R0M01	1R0	1.0	0.024	100KHz/0.1v	5.15
GCDR0802M-4R7M01	4R7	4.7	0.036	100KHz/0.1v	4.20
GCDR0802M-6R8M01	6R8	6.8	0.060	100KHz/0.1v	3.90
GCDR0802M-8R2M01	8R2	8.2	0.080	100KHz/0.1v	2.42
GCDR0802M-100M01	100	10	0.110	100KHz/0.1v	2.40
GCDR0802M-150M01	150	15	0.120	100KHz/0.1v	2.30
GCDR0802M-220M01	220	22	0.180	100KHz/0.1v	1.80
GCDR0802M-330M01	330	33	0.250	100KHz/0.1v	1.60
GCDR0802M-470M01	470	47	0.320	100KHz/0.1v	1.30
GCDR0802M-680M01	680	68	0.540	100KHz/0.1v	1.10
GCDR0802M-101M01	101	100	0.690	100KHz/0.1v	0.87
GCDR0802M-151M01	151	150	0.940	100KHz/0.1v	0.74
GCDR0802M-221M01	221	220	1.600	100KHz/0.1v	0.56
GCDR0802M-331M01	331	330	2.150	100KHz/0.1v	0.50
GCDR0802M-471M01	471	470	3.300	100KHz/0.1v	0.40
GCDR0802M-681M01	681	680	4.400	100KHz/0.1v	0.33
GCDR0802M-821M01	821	820	5.800	100KHz/0.1v	0.15
GCDR0802M-102M01	102	1000	8.400	100KHz/0.1v	0.10



# GCDR Series (UNSHIELDED)

## ELECTRICAL SPECIFICATION

GCDR0804M Series (Quantity: 2000PCS)/GCDR0804M 系列 (数量: 2000PCS)

Part Number	Marking	Inductance ( $\mu$ H)	DCR ( $\Omega$ ) max.	Test Freq. (Hz)	Saturation Current(A)
GCDR0804M-2R2M01	2R2	2.2	0.012	100KHz/0.1v	7.00
GCDR0804M-2R7M01	2R7	2.7	0.014	100KHz/0.1v	6.50
GCDR0804M-3R3M01	3R3	3.3	0.015	100KHz/0.1v	6.40
GCDR0804M-4R7M01	4R7	4.7	0.018	100KHz/0.1v	5.40
GCDR0804M-5R6M01	5R6	5.6	0.025	100KHz/0.1v	4.70
GCDR0804M-6R8M01	6R8	6.8	0.027	100KHz/0.1v	4.60
GCDR0804M-8R2M01	8R2	8.2	0.036	100KHz/0.1v	4.00
GCDR0804M-100M01	100	10	0.038	100KHz/0.1v	3.80
GCDR0804M-120M01	120	12	0.044	100KHz/0.1v	3.20
GCDR0804M-150M01	150	15	0.046	100KHz/0.1v	3.00
GCDR0804M-180M01	180	18	0.066	100KHz/0.1v	2.70
GCDR0804M-220M01	220	22	0.085	100KHz/0.1v	2.60
GCDR0804M-270M01	270	27	0.095	100KHz/0.1v	2.10
GCDR0804M-330M01	330	33	0.100	100KHz/0.1v	2.00
GCDR0804M-390M01	390	39	0.130	100KHz/0.1v	1.70
GCDR0804M-470M01	470	47	0.140	100KHz/0.1v	1.60
GCDR0804M-560M01	560	56	0.190	100KHz/0.1v	1.50
GCDR0804M-680M01	680	68	0.200	100KHz/0.1v	1.40
GCDR0804M-820M01	820	82	0.260	100KHz/0.1v	1.25
GCDR0804M-101M01	101	100	0.280	100KHz/0.1v	1.20
GCDR0804M-121M01	121	120	0.360	100KHz/0.1v	1.02
GCDR0804M-151M01	151	150	0.400	100KHz/0.1v	1.00
GCDR0804M-181M01	181	180	0.540	100KHz/0.1v	0.82
GCDR0804M-221M01	221	220	0.610	100KHz/0.1v	0.80
GCDR0804M-271M01	271	270	0.840	100KHz/0.1v	0.62
GCDR0804M-331M01	331	330	1.020	100KHz/0.1v	0.60
GCDR0804M-391M01	391	390	1.250	100KHz/0.1v	0.52
GCDR0804M-471M01	471	470	1.270	100KHz/0.1v	0.50
GCDR0804M-561M01	561	560	1.850	100KHz/0.1v	0.42
GCDR0804M-681M01	681	680	2.020	100KHz/0.1v	0.40
GCDR0804M-821M01	821	820	2.530	100KHz/0.1v	0.35
GCDR0804M-102M01	102	1000	3.000	100KHz/0.1v	0.30



# GCDR Series (UNSHIELDED)

## ELECTRICAL SPECIFICATION

GCDR0810M Series (Quantity: 225PCS)/GCDR0810M 系列 (数量: 225PCS)

Part Number	Marking	Inductance ( $\mu$ H)	DCR ( $\Omega$ ) max.	Test Freq. (Hz)	Saturation Current(A)
GCDR0810M-R47N01	R47	0.47	0.008	100KHz/0.1v	40.0
GCDR0810M-R82N01	R82	0.82	0.009	100KHz/0.1v	34.7
GCDR0810M-1R2M01	1R2	1.2	0.010	100KHz/0.1v	28.4
GCDR0810M-1R5M01	1R5	1.5	0.010	100KHz/0.1v	25.7
GCDR0810M-2R2M01	2R2	2.2	0.012	100KHz/0.1v	23.0
GCDR0810M-3R5M01	3R5	3.5	0.015	100KHz/0.1v	21.0
GCDR0810M-4R7M01	4R7	4.7	0.020	100KHz/0.1v	18.0
GCDR0810M-5R6M01	5R6	5.6	0.022	100KHz/0.1v	16.0
GCDR0810M-6R8M01	6R8	6.8	0.030	100KHz/0.1v	15.0
GCDR0810M-8R2M01	8R2	8.2	0.033	100KHz/0.1v	10.0
GCDR0810M-100M01	100	10	0.040	100KHz/0.1v	8.00
GCDR0810M-120M01	120	12	0.042	100KHz/0.1v	7.20
GCDR0810M-150M01	150	15	0.050	100KHz/0.1v	7.00
GCDR0810M-180M01	180	18	0.052	100KHz/0.1v	5.70
GCDR0810M-220M01	220	22	0.066	100KHz/0.1v	5.50
GCDR0810M-270M01	270	27	0.072	100KHz/0.1v	4.20
GCDR0810M-330M01	330	33	0.080	100KHz/0.1v	4.00
GCDR0810M-390M01	390	39	0.092	100KHz/0.1v	3.90
GCDR0810M-470M01	470	47	0.110	100KHz/0.1v	3.80
GCDR0810M-560M01	560	56	0.150	100KHz/0.1v	3.20
GCDR0810M-680M01	680	68	0.170	100KHz/0.1v	3.00
GCDR0810M-820M01	820	82	0.200	100KHz/0.1v	2.60
GCDR0810M-101M01	101	100	0.220	100KHz/0.1v	2.50
GCDR0810M-121M01	121	120	0.320	100KHz/0.1v	2.20
GCDR0810M-151M01	151	150	0.340	100KHz/0.1v	2.00
GCDR0810M-181M01	181	180	0.420	100KHz/0.1v	1.80
GCDR0810M-221M01	221	220	0.440	100KHz/0.1v	1.60
GCDR0810M-271M01	271	270	0.600	100KHz/0.1v	1.30
GCDR0810M-331M01	331	330	0.700	100KHz/0.1v	1.20
GCDR0810M-391M01	391	390	0.850	100KHz/0.1v	1.10
GCDR0810M-471M01	471	470	0.950	100KHz/0.1v	1.00
GCDR0810M-561M01	561	560	1.100	100KHz/0.1v	1.00
GCDR0810M-681M01	681	680	1.200	100KHz/0.1v	1.00
GCDR0810M-821M01	821	820	1.500	100KHz/0.1v	0.82
GCDR0810M-102M01	102	1000	2.000	100KHz/0.1v	0.80



# GCDR Series (UNSHIELDED)

## ELECTRICAL SPECIFICATION

GCDR1206M Series (Quantity: 250PCS)/GCDR1206M 系列 (数量: 250PCS)

Part Number	Marking	Inductance ( $\mu$ H)	DCR ( $\Omega$ ) max.	Test Freq. (Hz)	Saturation Current(A)
GCDR1206M-1R0M01	1R0	1.0	0.009	100KHz/0.1v	20.0
GCDR1206M-2R2M01	2R2	2.2	0.014	100KHz/0.1v	16.0
GCDR1206M-3R3M01	3R3	3.3	0.018	100KHz/0.1v	14.0
GCDR1206M-4R7M01	4R7	4.7	0.019	100KHz/0.1v	13.0
GCDR1206M-5R6M01	5R6	5.6	0.020	100KHz/0.1v	12.0
GCDR1206M-6R8M01	6R8	6.8	0.022	100KHz/0.1v	10.6
GCDR1206M-8R2M01	8R2	8.2	0.024	100KHz/0.1v	10.3
GCDR1206M-100M01	100	10	0.031	100KHz/0.1v	10.0
GCDR1206M-120M01	120	12	0.034	100KHz/0.1v	8.20
GCDR1206M-150M01	150	15	0.036	100KHz/0.1v	8.00
GCDR1206M-180M01	180	18	0.045	100KHz/0.1v	7.20
GCDR1206M-220M01	220	22	0.047	100KHz/0.1v	7.00
GCDR1206M-270M01	270	27	0.056	100KHz/0.1v	5.80
GCDR1206M-330M01	330	33	0.066	100KHz/0.1v	5.50
GCDR1206M-390M01	390	39	0.080	100KHz/0.1v	4.60
GCDR1206M-470M01	470	47	0.095	100KHz/0.1v	4.50
GCDR1206M-560M01	560	56	0.128	100KHz/0.1v	3.70
GCDR1206M-680M01	680	68	0.130	100KHz/0.1v	3.50
GCDR1206M-820M01	820	82	0.180	100KHz/0.1v	3.10
GCDR1206M-101M01	101	100	0.190	100KHz/0.1v	3.00
GCDR1206M-121M01	121	120	0.240	100KHz/0.1v	2.80
GCDR1206M-151M01	151	150	0.250	100KHz/0.1v	2.60
GCDR1206M-181M01	181	180	0.360	100KHz/0.1v	2.50
GCDR1206M-221M01	221	220	0.380	100KHz/0.1v	2.40
GCDR1206M-271M01	271	270	0.520	100KHz/0.1v	2.00
GCDR1206M-331M01	331	330	0.560	100KHz/0.1v	1.90
GCDR1206M-391M01	391	390	0.720	100KHz/0.1v	1.50
GCDR1206M-471M01	471	470	0.850	100KHz/0.1v	1.40
GCDR1206M-561M01	561	560	1.080	100KHz/0.1v	1.30
GCDR1206M-681M01	681	680	1.100	100KHz/0.1v	1.20
GCDR1206M-821M01	821	820	1.600	100KHz/0.1v	1.03
GCDR1206M-102M01	102	1000	1.800	100KHz/0.1v	1.00