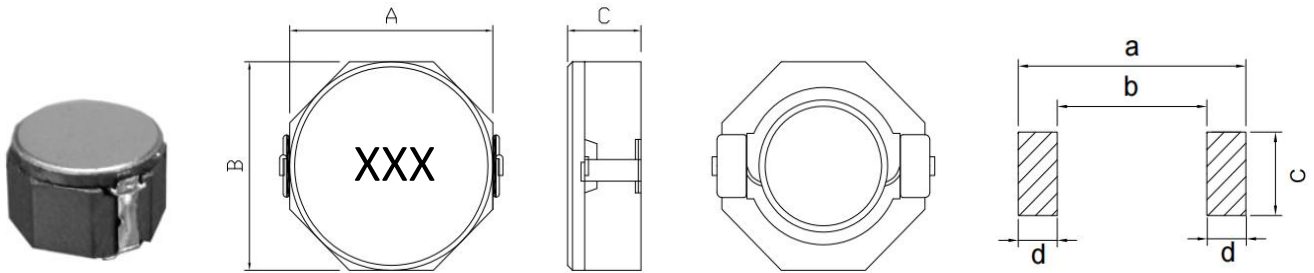


## Shielded SMD Power Inductor

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)
GCRH8D28N	8.30 max	8.30 max	3.00 max	10.10	6.10	2.80
GCRH8D38N	8.30 max	8.30 max	4.00 max	10.10	6.10	2.80
GCRH8D43N	8.30 max	8.30 max	4.50 max	10.10	6.10	2.80

### 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

### 应用 Applications

- 液晶显示器
- LCD TV
- 笔记本电脑
- Notebook PC
- DC/DC 转换器等
- DC/DC Converters, etc.

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

GCRH8D28N	2.5~100uH	15.6~430mΩ	4.50~0.75A
GCRH8D38N	2.2~100uH	17.5~410mΩ	6.50~1.05A
GCRH8D43N	2.2~330uH	15~1700mΩ	6.80~0.65A

### 包装数量 Packaging Quantity

GCRH8D28N	1000PCS/R
GCRH8D38N	1000PCS/R
GCRH8D43N	1000PCS/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



# GCRH8D Series (SHIELDED)

## ELECTRICAL SPECIFICATION

GCRH8D28N Series (Quantity: 1000PCS)/GCRH8D28N 系列 (数量: 1000PCS)

Part Number	Marking	Inductance ( $\mu$ H)	DCR (m $\Omega$ ) max.	Test Freq. (Hz)	Saturation Current(A)
GCRH8D28N-2R2M01	2R2	2.5	15.6	100KHz/0.25v	4.50
GCRH8D28N-3R3M01	3R3	3.3	18.2	100KHz/0.25v	4.00
GCRH8D28N-4R7M01	4R7	4.7	24.7	100KHz/0.25v	3.40
GCRH8D28N-6R8M01	6R8	6.8	39	100KHz/0.25v	2.80
GCRH8D28N-100M01	100	10	47	100KHz/0.25v	2.50
GCRH8D28N-150M01	150	15	69	100KHz/0.25v	1.90
GCRH8D28N-220M01	220	22	99	100KHz/0.25v	1.60
GCRH8D28N-330M01	330	33	156	100KHz/0.25v	1.30
GCRH8D28N-470M01	470	47	195	100KHz/0.25v	1.15
GCRH8D28N-680M01	680	68	286	100KHz/0.25v	0.92
GCRH8D28N-101M01	101	100	430	100KHz/0.25v	0.75

GCRH8D38N Series (Quantity: 1000PCS)/GCRH8D38N 系列 (数量: 1000PCS)

Part Number	Marking	Inductance ( $\mu$ H)	DCR (m $\Omega$ ) max.	Test Freq. (Hz)	Saturation Current(A)
GCRH8D38N-2R2M01	2R2	2.2	17.5	100KHz/0.1v	6.50
GCRH8D38N-3R3M01	3R3	3.3	24	100KHz/0.1v	5.00
GCRH8D38N-4R7M01	4R7	4.7	29	100KHz/0.1v	4.60
GCRH8D38N-6R8M01	6R8	6.8	40	100KHz/0.1v	3.80
GCRH8D38N-100M01	100	10	48	100KHz/0.1v	3.00
GCRH8D38N-150M01	150	15	67	100KHz/0.1v	2.75
GCRH8D38N-220M01	220	22	105	100KHz/0.1v	2.30
GCRH8D38N-330M01	330	33	157	100KHz/0.1v	1.75
GCRH8D38N-470M01	470	47	189	100KHz/0.1v	1.52
GCRH8D38N-680M01	680	68	290	100KHz/0.1v	1.30
GCRH8D38N-101M01	101	100	410	100KHz/0.1v	1.05



# GCRH8D Series (SHIELDED)

## ■ ELECTRICAL SPECIFICATION

GCRH8D43N Series (Quantity: 1000PCS)/GCRH8D43N 系列 (数量: 1000PCS)

Part Number	Marking	Inductance ( $\mu$ H)	DCR (m $\Omega$ ) max.	Test Freq. (Hz)	Saturation Current(A)
GCRH8D43N-2R2M01	2R2	2.2	15	100KHz/0.1v	6.80
GCRH8D43N-3R3M01	3R3	3.3	17	100KHz/0.1v	6.20
GCRH8D43N-4R7M01	4R7	4.7	22	100KHz/0.1v	5.60
GCRH8D43N-6R8M01	6R8	6.8	25	100KHz/0.1v	4.40
GCRH8D43N-100M01	100	10	36	100KHz/0.1v	4.00
GCRH8D43N-150M01	150	15	53	100KHz/0.1v	2.90
GCRH8D43N-220M01	220	22	75	100KHz/0.1v	2.60
GCRH8D43N-330M01	330	33	125	100KHz/0.1v	2.20
GCRH8D43N-470M01	470	47	150	100KHz/0.1v	1.80
GCRH8D43N-680M01	680	68	240	100KHz/0.1v	1.50
GCRH8D43N-101M01	101	100	360	100KHz/0.1v	1.30
GCRH8D43N-331M01	331	330	1700	100KHz/0.1v	0.65