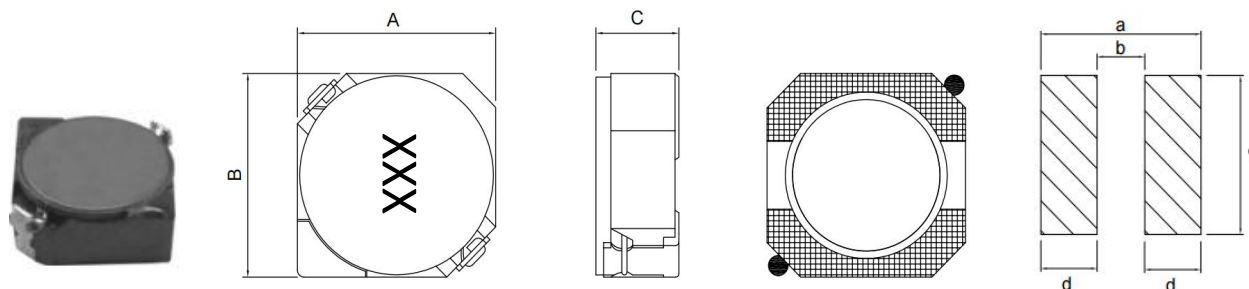


# GCRH4D~6D Series (SHIELDED)



## 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)	c(mm)	d(mm)
GCRH4D18N	4.70±0.3	4.70±0.3	2.00 max	5.30	5.30	1.50
GCRH4D28N	4.70±0.3	4.70±0.3	3.00 max	5.30	5.30	1.50
GCRH5D18N	6.00 max	6.00 max	2.00 max	6.30	6.30	2.00
GCRH5D28N	6.00 max	6.00 max	3.00 max	6.30	6.30	2.00
GCRH6D28N	6.70±0.3	6.70±0.3	3.00 max	7.30	7.30	2.00
GCRH6D38N	6.70±0.3	6.70±0.3	4.00 max	7.30	7.30	2.00

### 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
- 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

- 录像机电源
- Power Supply For VTRs
- 自动化办公设备
- OA Equipment
- 笔记本电脑
- Notebook PC
- 便携式通信设备
- Portable Communication Equipment
- DC/DC 转换器等
- DC/DC Converters, etc.

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

GCRH4D18N	2.2~100uH	75~1730mΩ	1.32~0.20A
GCRH4D28N	2.2~220uH	31~2000mΩ	2.04~0.21A
GCRH5D18N	2.2~220uH	39~3280mΩ	2.30~0.20A
GCRH5D28N	2.2~470uH	18~3560mΩ	2.60~0.22A
GCRH6D28N	2.2~220uH	18~1350mΩ	4.00~0.35A
GCRH6D38N	2.2~220uH	19~705mΩ	4.40~0.50A

### 包装数量 Packaging Quantity

GCRH4D18N	2000PCS/R
GCRH4D28N	2000PCS/R
GCRH5D18N	2000PCS/R
GCRH5D28N	2000PCS/R
GCRH6D28N	1500PCS/R
GCRH6D38N	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

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# GCRH4D~6D Series (SHIELDED)

## ELECTRICAL SPECIFICATION

GCRH4D18N Series (Quantity: 2000PCS)/GCRH4D18N 系列 (数量: 2000PCS)

Part Number	Marking	Inductance ( $\mu$ H)	DCR (m $\Omega$ ) max.	Test Freq. (Hz)	Saturation Current(A)
GCRH4D18N-2R2M01	2R2	2.2	75	100KHz/1v	1.32
GCRH4D18N-3R3M01	3R3	3.3	110	100KHz/1v	1.04
GCRH4D18N-4R7M01	4R7	4.7	162	100KHz/1v	0.84
GCRH4D18N-6R8M01	6R8	6.8	200	100KHz/1v	0.76
GCRH4D18N-100M01	100	10	210	100KHz/1v	0.61
GCRH4D18N-150M01	150	15	240	100KHz/1v	0.50
GCRH4D18N-220M01	220	22	397	100KHz/1v	0.41
GCRH4D18N-330M01	330	33	694	100KHz/1v	0.32
GCRH4D18N-390M01	390	39	709	100KHz/1v	0.30
GCRH4D18N-470M01	470	47	922	100KHz/1v	0.28
GCRH4D18N-560M01	560	56	1080	100KHz/1v	0.26
GCRH4D18N-680M01	680	68	1300	100KHz/1v	0.24
GCRH4D18N-820M01	820	82	1560	100KHz/1v	0.22
GCRH4D18N-101M01	101	100	1730	100KHz/1v	0.20

GCRH4D28N Series (Quantity: 2000PCS)/GCRH4D28N 系列 (数量: 2000PCS)

Part Number	Marking	Inductance ( $\mu$ H)	DCR (m $\Omega$ ) max.	Test Freq. (Hz)	Saturation Current(A)
GCRH4D28N-2R2M01	2R2	2.2	31	100KHz/1v	2.04
GCRH4D28N-3R3M01	3R3	3.3	49	100KHz/1v	1.57
GCRH4D28N-4R7M01	4R7	4.7	72	100KHz/1v	1.32
GCRH4D28N-6R8M01	6R8	6.8	109	100KHz/1v	1.12
GCRH4D28N-100M01	100	10	128	100KHz/1v	1.00
GCRH4D28N-150M01	150	15	149	100KHz/1v	0.76
GCRH4D28N-220M01	220	22	235	100KHz/1v	0.70
GCRH4D28N-330M01	330	33	331	100KHz/1v	0.56
GCRH4D28N-390M01	390	39	384	100KHz/1v	0.50
GCRH4D28N-470M01	470	47	587	100KHz/1v	0.48
GCRH4D28N-560M01	560	56	625	100KHz/1v	0.41
GCRH4D28N-680M01	680	68	699	100KHz/1v	0.35
GCRH4D28N-820M01	820	82	915	100KHz/1v	0.32
GCRH4D28N-101M01	101	100	1020	100KHz/1v	0.29
GCRH4D28N-221M01	221	220	2000	100KHz/1v	0.21



# GCRH4D~6D Series (SHIELDED)

## ELECTRICAL SPECIFICATION

GCRH5D18N Series (Quantity: 2000PCS)/GCRH5D18N 系列 (数量: 2000PCS)

Part Number	Marking	Inductance ( $\mu$ H)	DCR (m $\Omega$ ) max.	Test Freq. (Hz)	Saturation Current(A)
GCRH5D18N-2R2M01	2R2	2.2	39	100KHz/1v	2.30
GCRH5D18N-3R3M01	3R3	3.3	48	100KHz/1v	2.00
GCRH5D18N-4R7M01	4R7	4.7	72	100KHz/1v	1.77
GCRH5D18N-6R8M01	6R8	6.8	110	100KHz/1v	1.30
GCRH5D18N-100M01	100	10	124	100KHz/1v	1.20
GCRH5D18N-150M01	150	15	196	100KHz/1v	0.97
GCRH5D18N-220M01	220	22	290	100KHz/1v	0.80
GCRH5D18N-330M01	330	33	385	100KHz/1v	0.65
GCRH5D18N-390M01	390	39	520	100KHz/1v	0.57
GCRH5D18N-470M01	470	47	595	100KHz/1v	0.54
GCRH5D18N-560M01	560	56	665	100KHz/1v	0.50
GCRH5D18N-680M01	680	68	840	100KHz/1v	0.43
GCRH5D18N-820M01	820	82	978	100KHz/1v	0.41
GCRH5D18N-101M01	101	100	1200	100KHz/1v	0.35
GCRH5D18N-221M01	221	220	3280	100KHz/1v	0.20

GCRH5D28N Series (Quantity: 2000PCS)/GCRH5D28N 系列 (数量: 2000PCS)

Part Number	Marking	Inductance ( $\mu$ H)	DCR (m $\Omega$ ) max.	Test Freq. (Hz)	Saturation Current(A)
GCRH5D28N-2R2M01	2R2	2.2	18	100KHz/1v	2.60
GCRH5D28N-3R3M01	3R3	3.3	35	100KHz/1v	2.40
GCRH5D28N-4R7M01	4R7	4.7	37	100KHz/1v	2.00
GCRH5D28N-6R8M01	6R8	6.8	50	100KHz/1v	1.82
GCRH5D28N-100M01	100	10	65	100KHz/1v	1.30
GCRH5D28N-150M01	150	15	103	100KHz/1v	1.10
GCRH5D28N-220M01	220	22	122	100KHz/1v	0.90
GCRH5D28N-330M01	330	33	189	100KHz/1v	0.75
GCRH5D28N-390M01	390	39	212	100KHz/1v	0.70
GCRH5D28N-470M01	470	47	260	100KHz/1v	0.65
GCRH5D28N-560M01	560	56	305	100KHz/1v	0.58
GCRH5D28N-680M01	680	68	355	100KHz/1v	0.52
GCRH5D28N-820M01	820	82	463	100KHz/1v	0.46
GCRH5D28N-101M01	101	100	520	100KHz/1v	0.42
GCRH5D28N-221M01	221	220	1250	100KHz/1v	0.32
GCRH5D28N-471M01	471	470	3560	100KHz/1v	0.22

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# GCRH4D~6D Series (SHIELDED)

## ELECTRICAL SPECIFICATION

GCRH6D28N Series (Quantity: 1500PCS)/GCRH6D28N 系列 (数量: 1500PCS)

Part Number	Marking	Inductance ( $\mu$ H)	DCR (m $\Omega$ ) max.	Test Freq. (Hz)	Saturation Current(A)
GCRH6D28N-2R2M01	2R2	2.2	18	100KHz/1v	4.00
GCRH6D28N-3R3M01	3R3	3.3	26	100KHz/1v	2.80
GCRH6D28N-4R7M01	4R7	4.7	29	100KHz/1v	2.50
GCRH6D28N-6R8M01	6R8	6.8	52	100KHz/1v	2.20
GCRH6D28N-100M01	100	10	65	100KHz/1v	1.70
GCRH6D28N-150M01	150	15	84	100KHz/1v	1.40
GCRH6D28N-220M01	220	22	128	100KHz/1v	1.20
GCRH6D28N-330M01	330	33	165	100KHz/1v	0.97
GCRH6D28N-390M01	390	39	210	100KHz/1v	0.86
GCRH6D28N-470M01	470	47	238	100KHz/1v	0.80
GCRH6D28N-560M01	560	56	277	100KHz/1v	0.73
GCRH6D28N-680M01	680	68	304	100KHz/1v	0.65
GCRH6D28N-820M01	820	82	390	100KHz/1v	0.60
GCRH6D28N-101M01	101	100	535	100KHz/1v	0.54
GCRH6D28N-221M01	221	220	1350	100KHz/1v	0.35

GCRH6D38N Series (Quantity: 1000PCS)/GCRH6D38N 系列 (数量: 1000PCS)

Part Number	Marking	Inductance ( $\mu$ H)	DCR (m $\Omega$ ) max.	Test Freq. (Hz)	Saturation Current(A)
GCRH6D38N-2R2M01	2R2	2.2	19	100KHz/1v	4.40
GCRH6D38N-3R3M01	3R3	3.3	20	100KHz/1v	3.50
GCRH6D38N-4R7M01	4R7	4.7	24	100KHz/1v	2.75
GCRH6D38N-6R8M01	6R8	6.8	27	100KHz/1v	2.50
GCRH6D38N-100M01	100	10	38	100KHz/1v	2.00
GCRH6D38N-150M01	150	15	57	100KHz/1v	1.60
GCRH6D38N-220M01	220	22	96	100KHz/1v	1.30
GCRH6D38N-330M01	330	33	124	100KHz/1v	1.10
GCRH6D38N-390M01	390	39	138	100KHz/1v	1.00
GCRH6D38N-470M01	470	47	155	100KHz/1v	0.95
GCRH6D38N-560M01	560	56	202	100KHz/1v	0.85
GCRH6D38N-680M01	680	68	234	100KHz/1v	0.75
GCRH6D38N-820M01	820	82	324	100KHz/1v	0.70
GCRH6D38N-101M01	101	100	368	100KHz/1v	0.65
GCRH6D38N-151M01	151	150	483	100KHz/1v	0.60
GCRH6D38N-221M01	221	220	705	100KHz/1v	0.50