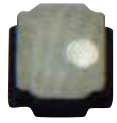


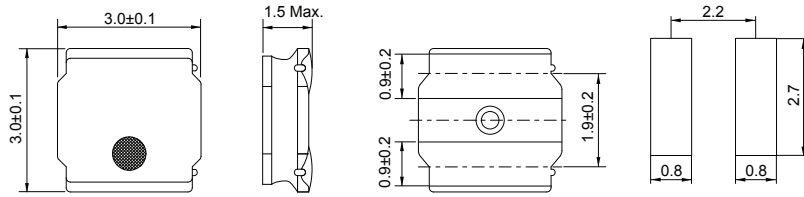
# CSMS0315D Series (SHIELDED)

## ■ SMD Wire Wound Power Inductors

### MECHANICAL DIMENSIONS



CSMS0315D



Recommended Patterns

unit: mm

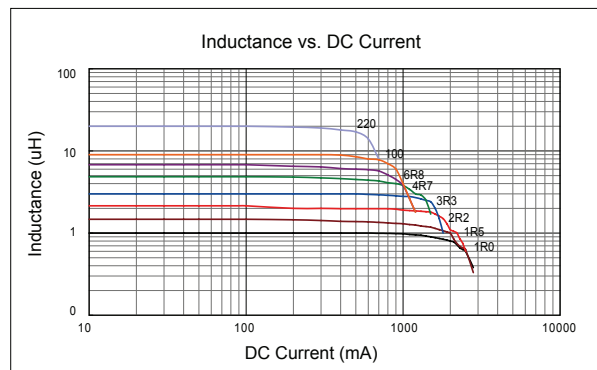
### ELECTRICAL SPECIFICATION

Part Number	Inductance @100KHz (uH)	Inductance Tolerance	DCR ±20% (Ω)	Rated Current (mA)		SRF (MHz) Min.
				Saturation Current Idc1	Temperature Rise Current Idc2	
CSMS0315D-1R0N-LRH	1.0	±30%	0.030	2100	2100	100
CSMS0315D-1R5N-LRH	1.5	±30%	0.038	1800	1820	87
CSMS0315D-2R2M-LRH	2.2	±20%	0.058	1480	1500	64
CSMS0315D-3R3M-LRH	3.3	±20%	0.078	1210	1230	49
CSMS0315D-4R7M-LRH	4.7	±20%	0.120	1020	1040	40
CSMS0315D-6R8M-LRH	6.8	±20%	0.160	870	880	36
CSMS0315D-100M-LRH	10	±20%	0.220	700	710	28
CSMS0315D-220M-LRH	22	±20%	0.520	470	470	20

- Operating temperature Range: -25°C to +125°C (Including self-temperature rise)
- Storage Temp. Range: -40°C to +85°C
- Inductance measured using the HP4285A and Chroma 1320 & 3302
- DCR measured using Chroma 16502
- SRF measured using the HP4291B
- Saturation Current Idc1: The value of current causes a 30% inductance reduction from initial value.( at Ta: 20°C )
- Temperature rise current Idc2: The value of current causes a 40°C temperature rise.( at Ta: 20°C )
- Rated Current: Either Idc1 or Idc2 whichever is smaller
- MSL: Level 1

### CHARACTERISTIC CURVE

CSMS0315D Series



SMD

Leaded