

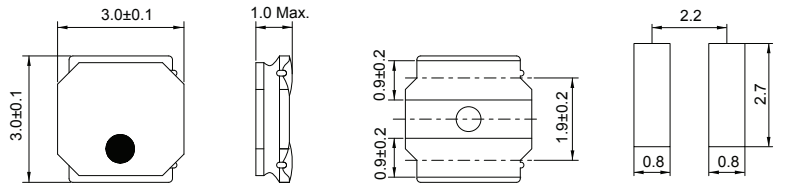
# CSMH0310D Series (SHIELDED)

## ■ SMD Wire Wound Power Inductors

### MECHANICAL DIMENSIONS



CSMH0310D



Recommended Patterns

unit: mm

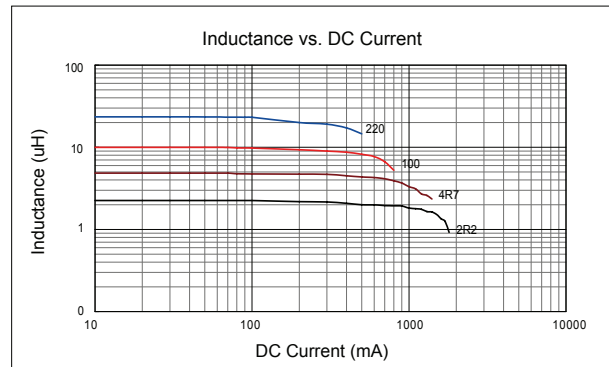
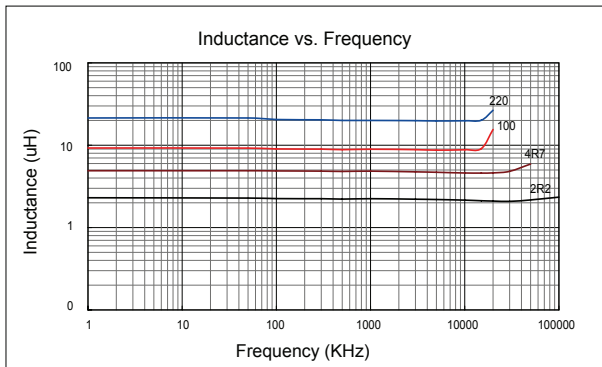
### ELECTRICAL SPECIFICATION

Part Number	Inductance @100KHz (uH)	Inductance Tolerance	DCR ±20% (Ω)	Rated Current (mA)		SRF (MHz) Min.
				Saturation Current Idc1	Temperature Rise Current Idc2	
CSMH0310D-1R2N-LRH	1.20	±30%	0.065	1700	1480	120
CSMH0310D-1R5N-LRH	1.50	±30%	0.075	1440	1370	99
CSMH0310D-2R2M-LRH	2.20	±20%	0.083	1300	1300	86
CSMH0310D-3R3M-LRH	3.30	±20%	0.130	1000	1030	64
CSMH0310D-4R7M-LRH	4.70	±20%	0.170	850	900	50
CSMH0310D-6R8M-LRH	6.80	±20%	0.250	700	745	44
CSMH0310D-100M-LRH	10.0	±20%	0.350	600	620	34
CSMH0310D-150M-LRH	15.0	±20%	0.550	450	480	25
CSMH0310D-220M-LRH	22.0	±20%	0.770	380	410	22

- 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 Chroma1320 & 3302
- DCR measured using Chroma16502
- 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

#### CSMH0310D Series



SMD

Leaded