

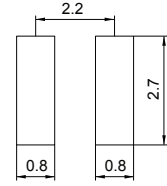
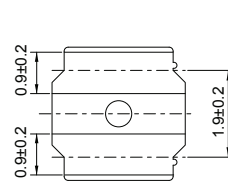
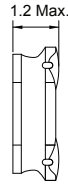
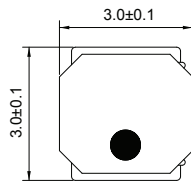
CSMH0312D Series (SHIELDED)

■ SMD Wire Wound Power Inductors

MECHANICAL DIMENSIONS



CSMH0312D



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	
CSMH0312D-1R0N-LRH	1.00	±30%	0.048	2200	1710	111
CSMH0312D-1R5N-LRH	1.50	±30%	0.055	1700	1600	95
CSMH0312D-2R2M-LRH	2.20	±20%	0.075	1500	1370	78
CSMH0312D-3R3M-LRH	3.30	±20%	0.100	1200	1210	61
CSMH0312D-4R7M-LRH	4.70	±20%	0.130	1000	1060	50
CSMH0312D-6R8M-LRH	6.80	±20%	0.190	850	890	43
CSMH0312D-100M-LRH	10.0	±20%	0.270	730	720	32
CSMH0312D-150M-LRH	15.0	±20%	0.450	530	570	26
CSMH0312D-220M-LRH	22.0	±20%	0.630	500	500	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

CSMH0312D Series

