

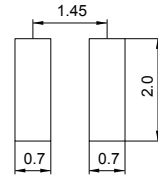
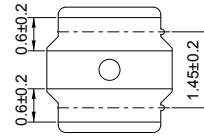
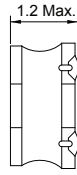
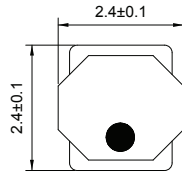
CSMH2412D Series (SHIELDED)

■ SMD Wire Wound Power Inductors

MECHANICAL DIMENSIONS



CSMH2412D



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	
CSMH2412D-R47N-LRH	0.47	±30%	0.050	2900	2100	180
CSMH2412D-1R0N-LRH	1.00	±30%	0.077	2350	1300	101
CSMH2412D-1R5N-LRH	1.50	±30%	0.100	2100	1150	89
CSMH2412D-2R2M-LRH	2.20	±20%	0.140	1700	1000	72
CSMH2412D-3R3M-LRH	3.30	±20%	0.225	1400	750	56
CSMH2412D-4R7M-LRH	4.70	±20%	0.300	1150	650	45
CSMH2412D-6R8M-LRH	6.80	±20%	0.420	950	550	34
CSMH2412D-100M-LRH	10.0	±20%	0.600	810	450	29

- 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

CSMH2412D Series

