

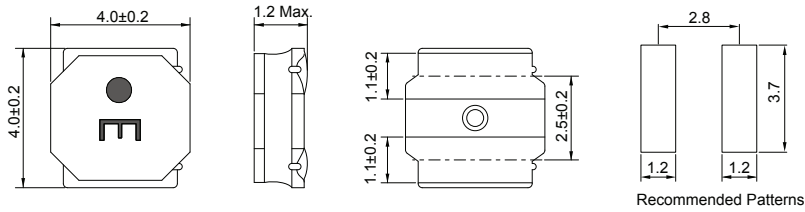
# CSMS0412D Series (SHIELDED)

## ■ SMD Wire Wound Power Inductors

### MECHANICAL DIMENSIONS



CSMS0412D



unit: mm

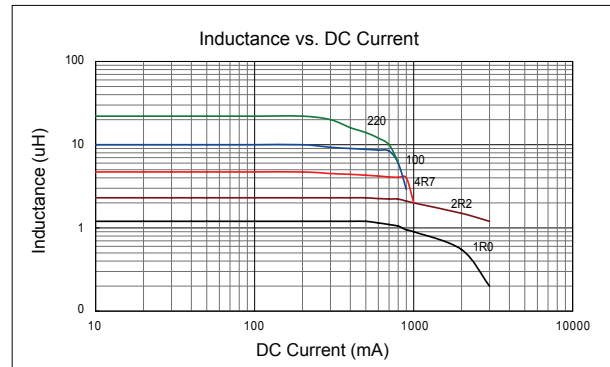
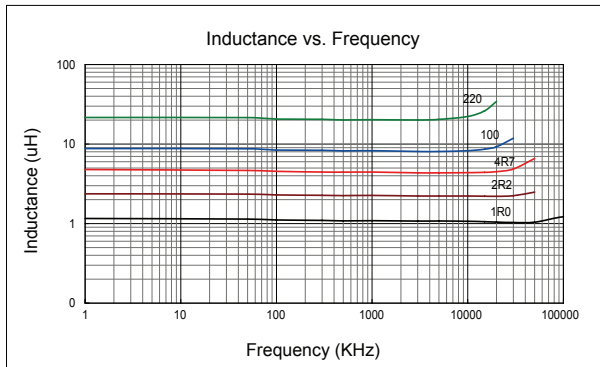
### ELECTRICAL SPECIFICATION

Part Number	Marking	Inductance @100KHz (uH)	Inductance Tolerance	DCR ±20% (Ω)	Rated Current (mA)		SRF (MHz) Min.
					Saturation Current Idc1	Temperature Rise Current Idc2	
CSMS0412D-1R0N-LRH	A	1.0	±30%	0.042	2800	2200	100
CSMS0412D-2R2M-LRH	C	2.2	±20%	0.060	1650	1900	70
CSMS0412D-3R3M-LRH	E	3.3	±20%	0.070	1400	1700	60
CSMS0412D-4R7M-LRH	H	4.7	±20%	0.095	1200	1500	45
CSMS0412D-6R8M-LRH	I	6.8	±20%	0.125	900	1300	35
CSMS0412D-100M-LRH	K	10	±20%	0.170	800	1100	30
CSMS0412D-150M-LRH	M	15	±20%	0.260	650	750	24
CSMS0412D-220M-LRH	N	22	±20%	0.400	500	620	18

- 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

#### CSMS0412D Series



SMD

Leaded