

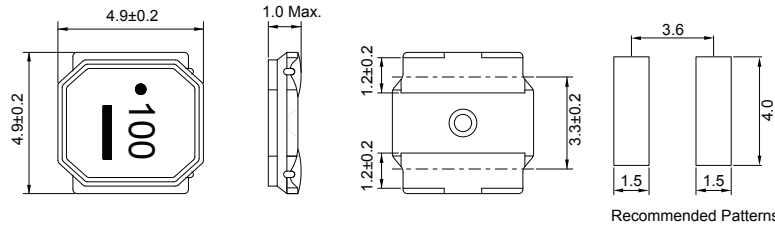
CSMS0510D Series (SHIELDED)

■ SMD Wire Wound Power Inductors

MECHANICAL DIMENSIONS



CSMS0510D



Recommended Patterns

unit: mm

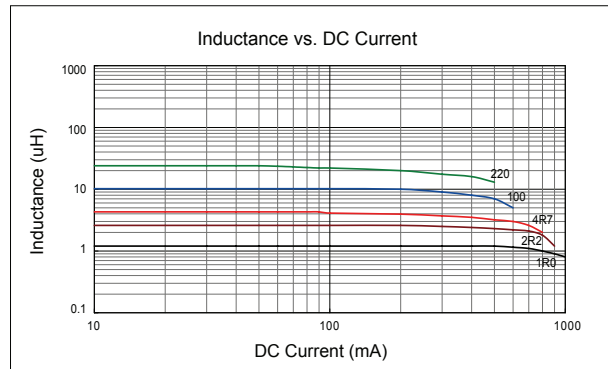
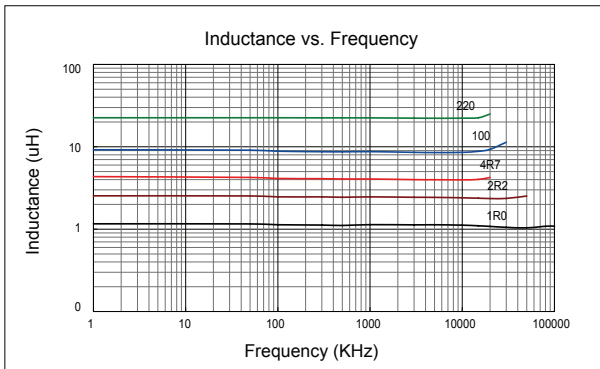
ELECTRICAL SPECIFICATION

Part Number	Marking	Inductance @100KHz (uH)	Inductance Tolerance	DCR ±20% (Ω)	Rated Current (mA)		SRF (MHz) Min.
					Saturation Current Idc1	Temperature Rise Current Idc2	
CSMS0510D-1R0N-LRH	1R0	1.0	±30%	0.070	2350	1750	95
CSMS0510D-2R2N-LRH	2R2	2.2	±30%	0.105	1500	1400	65
CSMS0510D-3R3M-LRH	3R3	3.3	±20%	0.125	1400	1250	42
CSMS0510D-4R7M-LRH	4R7	4.7	±20%	0.145	1200	1150	37
CSMS0510D-6R8M-LRH	6R8	6.8	±20%	0.185	1000	1000	33
CSMS0510D-100M-LRH	100	10	±20%	0.250	850	900	23
CSMS0510D-150M-LRH	150	15	±20%	0.400	680	650	19
CSMS0510D-220M-LRH	220	22	±20%	0.600	550	450	15

- 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

CSMS0510D Series



SMD

Leaded