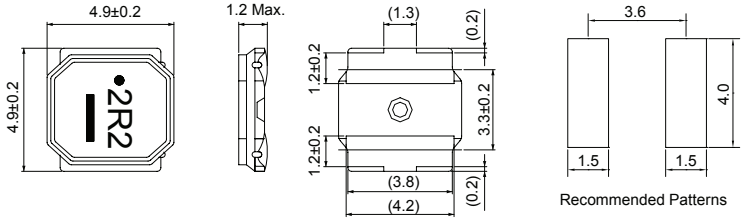
CSMS0512D Series (SHIELDED)

■ SMD Wire Wound Power Inductors

MECHANICAL DIMENSIONS

CSMS0512D



unit: mm

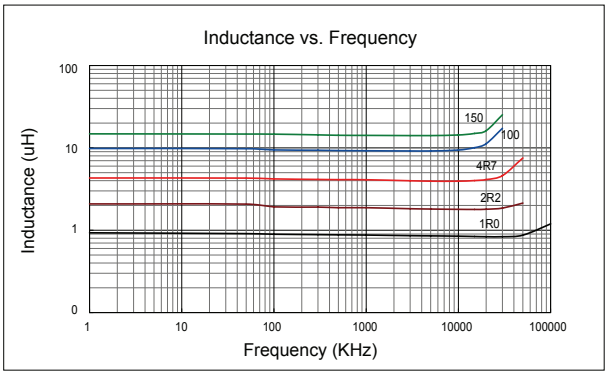
ELECTRICAL SPECIFICATION

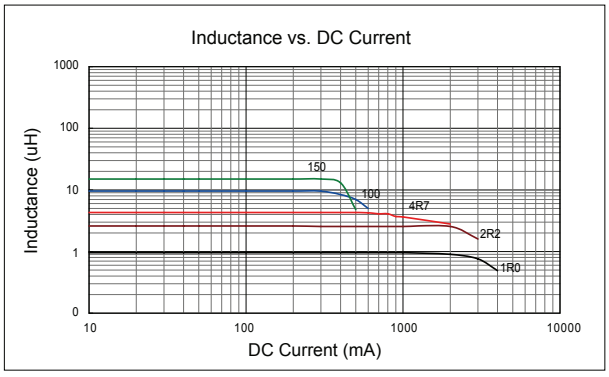
Part Number	Marking	Inductance @100KHz (uH)	Inductance Tolerance	DCR ±20% (Ω)	Rated Current (mA)		SRF (MHz) Min.
					Saturation Current Idc1	Temperature Rise Current Idc2	
CSMS0512D-1R0N-LRH	1R0	1.0	±30%	0.053	4500	2300	100
CSMS0512D-1R5N-LRH	1R5	1.5	±30%	0.070	3800	2200	86
CSMS0512D-2R2M-LRH	2R2	2.2	±20%	0.085	3100	2000	70
CSMS0512D-3R3M-LRH	3R3	3.3	±20%	0.160	2400	1450	48
CSMS0512D-4R7M-LRH	4R7	4.7	±20%	0.180	2200	1400	40
CSMS0512D-6R8M-LRH	6R8	6.8	±20%	0.260	1700	1100	36
CSMS0512D-100M-LRH	100	10	±20%	0.420	1400	850	26
CSMS0512D-150M-LRH	150	15	±20%	0.670	1200	640	22

- Operating temperature Range: -25℃ to +125℃ (Including self-temperature rise)
- Storage Temp. Range: -40℃ to +85℃
- 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℃)
- Temperature rise current Idc2: The value of current causes a 40℃ temperature rise.(at Ta: 20℃)
- Rated Current: Either Idc1 or Idc2 whichever is smaller
- MSL: Level 1

CHARACTERISTIC CURVE

CSMS0512D Series





SMD

Leaded