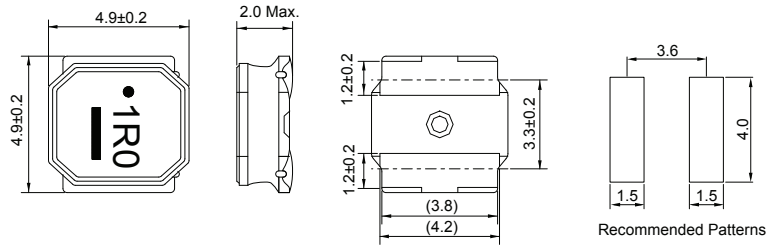


CSMS0520D Series (SHIELDED)

■ SMD Wire Wound Power Inductors

MECHANICAL DIMENSIONS



unit: mm

ELECTRICAL SPECIFICATION

Part Number	Marking	Inductance @100KHz (μ H)	Inductance Tolerance	DCR $\pm 20\%$ (Ω)	Rated Current (mA)		SRF (MHz) Min.
					Saturation Current Idc1	Temperature Rise Current Idc2	
CSMS0520D-1R0N-LRH	1R0	1.0	$\pm 30\%$	0.021	4000	3600	81
CSMS0520D-1R5N-LRH	1R5	1.5	$\pm 30\%$	0.026	3350	3200	68
CSMS0520D-2R2N-LRH	2R2	2.2	$\pm 30\%$	0.035	2900	2900	57
CSMS0520D-3R3N-LRH	3R3	3.3	$\pm 30\%$	0.048	2400	2400	46
CSMS0520D-4R7M-LRH	4R7	4.7	$\pm 20\%$	0.060	2000	2000	37
CSMS0520D-6R8M-LRH	6R8	6.8	$\pm 20\%$	0.090	1600	1650	30
CSMS0520D-100M-LRH	100	10	$\pm 20\%$	0.120	1300	1450	24
CSMS0520D-150M-LRH	150	15	$\pm 20\%$	0.165	1100	1200	20
CSMS0520D-220M-LRH	220	22	$\pm 20\%$	0.260	900	1000	17

- Operating temperature Range: -25°C to $+125^{\circ}\text{C}$ (Including self-temperature rise)
- Storage Temp. Range: -40°C to $+85^{\circ}\text{C}$
- 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

CSMS0520D Series

