

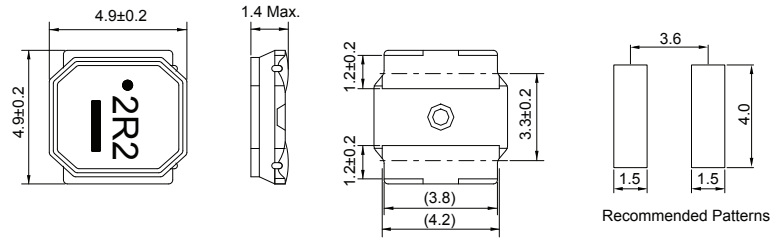
CSMS0514D Series (SHIELDED)

■ SMD Wire Wound Power Inductors

MECHANICAL DIMENSIONS



CSMS0514D



unit: mm

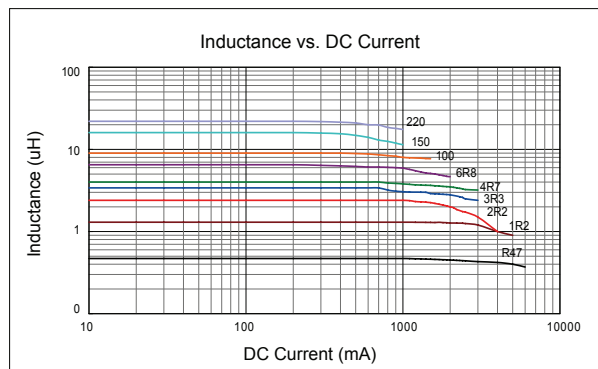
ELECTRICAL SPECIFICATION

Part Number	Marking	Inductance @100KHz (μ H)	Inductance Tolerance	DCR $\pm 20\%$ (Ω)	Rated Current (mA)		SRF (MHz) Min.
					Saturation Current I _{dc1}	Temperature Rise Current I _{dc2}	
CSMS0514D-R47N-LRH	R47	0.47	$\pm 30\%$	0.025	5800	3300	185
CSMS0514D-1R2N-LRH	1R2	1.2	$\pm 30\%$	0.045	3800	2400	86
CSMS0514D-2R2N-LRH	2R2	2.2	$\pm 30\%$	0.065	2800	2000	56
CSMS0514D-3R3N-LRH	3R3	3.3	$\pm 30\%$	0.080	2350	1700	48
CSMS0514D-4R7M-LRH	4R7	4.7	$\pm 30\%$	0.100	2050	1400	41
CSMS0514D-6R8M-LRH	6R8	6.8	$\pm 20\%$	0.150	1600	1200	33
CSMS0514D-100M-LRH	100	10	$\pm 20\%$	0.200	1400	1050	27
CSMS0514D-150M-LRH	150	15	$\pm 20\%$	0.320	1100	650	20
CSMS0514D-220M-LRH	220	22	$\pm 20\%$	0.450	900	550	16

- 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 I_{dc1}: The value of current causes a 30% inductance reduction from initial value.(at Ta: 20°C)
- Temperature rise current I_{dc2}: The value of current causes a 40°C temperature rise.(at Ta: 20°C)
- Rated Current: Either I_{dc1} or I_{dc2} whichever is smaller
- MSL: Level 1

CHARACTERISTIC CURVE

CSMS0514D Series



SMD

Leaded