

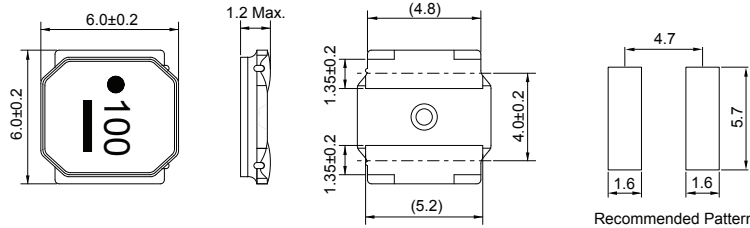
CSMS0612D Series (SHIELDED)

■ SMD Wire Wound Power Inductors

MECHANICAL DIMENSIONS



CSMS0612D



Recommended Patterns

unit: mm

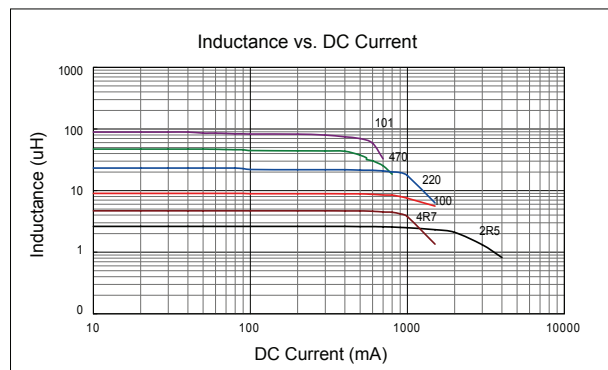
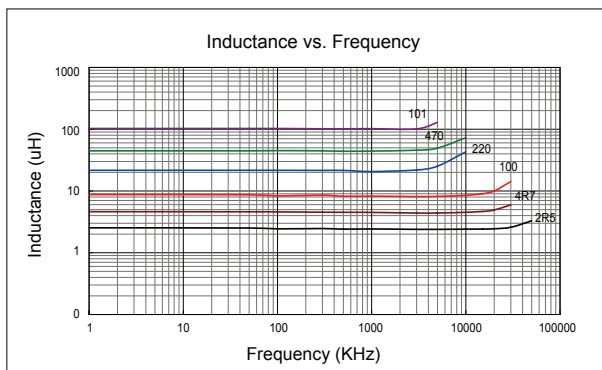
ELECTRICAL SPECIFICATION

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}	
CSMS0612D-2R5N-LRH	2R5	2.5	$\pm 30\%$	0.090	2100	1800	45
CSMS0612D-3R3N-LRH	3R3	3.3	$\pm 30\%$	0.105	1800	1700	42
CSMS0612D-4R7M-LRH	4R7	4.7	$\pm 20\%$	0.125	1600	1550	36
CSMS0612D-5R3M-LRH	5R3	5.3	$\pm 20\%$	0.125	1500	1550	34
CSMS0612D-6R8M-LRH	6R8	6.8	$\pm 20\%$	0.165	1300	1350	30
CSMS0612D-100M-LRH	100	10	$\pm 20\%$	0.200	1000	1200	22
CSMS0612D-150M-LRH	150	15	$\pm 20\%$	0.295	800	800	18
CSMS0612D-220M-LRH	220	22	$\pm 20\%$	0.465	760	650	12
CSMS0612D-330M-LRH	330	33	$\pm 20\%$	0.580	590	550	8
CSMS0612D-470M-LRH	470	47	$\pm 20\%$	0.965	520	460	6
CSMS0612D-680M-LRH	680	68	$\pm 20\%$	1.160	440	410	3
CSMS0612D-101M-LRH	101	100	$\pm 20\%$	1.670	350	320	1

- 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

CSMS0612D Series



SMD

Leaded