

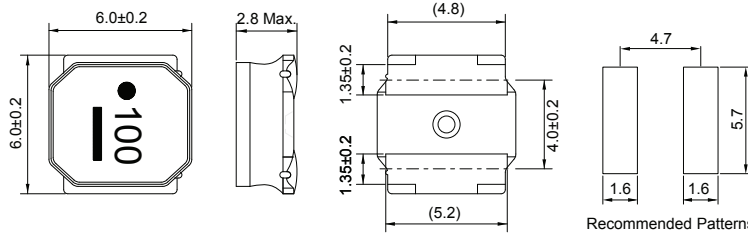
CSMS0628D Series (SHIELDED)

■ SMD Wire Wound Power Inductors

MECHANICAL DIMENSIONS



CSMS0628D



Recommended Patterns

unit: mm

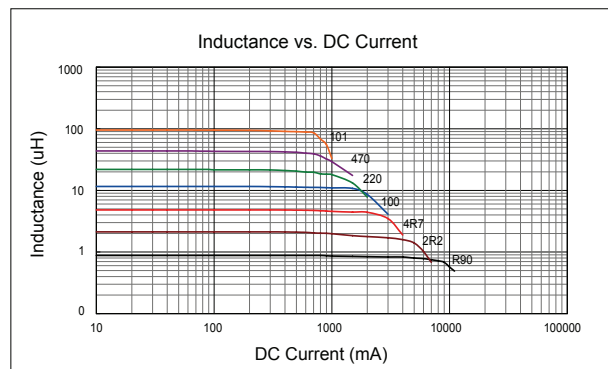
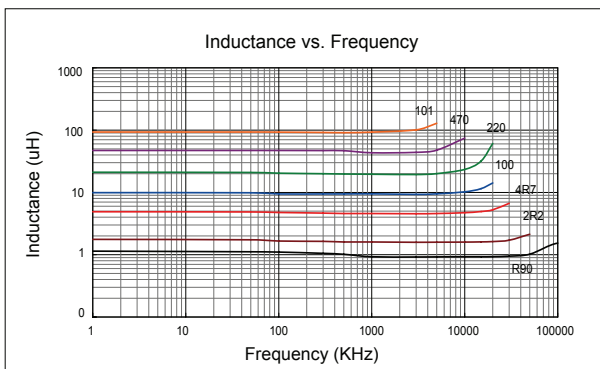
ELECTRICAL SPECIFICATION

Part Number	Marking	Inductance @100KHz (uH)	Inductance Tolerance	DCR ±30% (Ω)	Rated Current (mA)		SRF (MHz) Min.
					Saturation Current Idc1	Temperature Rise Current Idc2	
CSMS0628D-R90N-LRH	0R9	0.9	±30%	0.013	6700	4600	90
CSMS0628D-1R5N-LRH	1R5	1.5	±30%	0.016	5100	4200	78
CSMS0628D-2R2N-LRH	2R2	2.2	±30%	0.020	4200	3700	68
CSMS0628D-3R0N-LRH	3R0	3.0	±30%	0.023	3600	3400	55
CSMS0628D-4R7M-LRH	4R7	4.7	±20%	0.031	2700	3000	39
CSMS0628D-6R0M-LRH	6R0	6.0	±20%	0.040	2500	2500	30
CSMS0628D-100M-LRH	100	10	±20%	0.065	1900	1900	20
CSMS0628D-150M-LRH	150	15	±20%	0.095	1600	1800	17
CSMS0628D-220M-LRH	220	22	±20%	0.135	1300	1400	12
CSMS0628D-330M-LRH	330	33	±20%	0.220	1100	1100	10
CSMS0628D-470M-LRH	470	47	±20%	0.300	1000	920	8
CSMS0628D-680M-LRH	680	68	±20%	0.420	800	770	5
CSMS0628D-101M-LRH	101	100	±20%	0.600	650	660	3

- 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

CSMS0628D Series



SMD

Leaded