

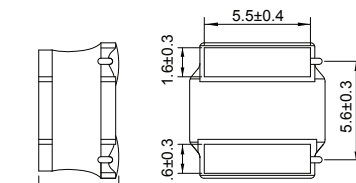
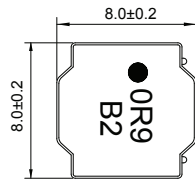
CSMS0840D Series (SHIELDED)

■ SMD Wire Wound Power Inductors

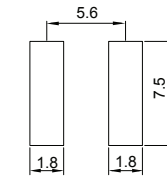
MECHANICAL DIMENSIONS



CSMS0840D



R90N~6R8N 4.2 Max.
100M~220M 4.0 Max.



Recommended Patterns

unit: mm

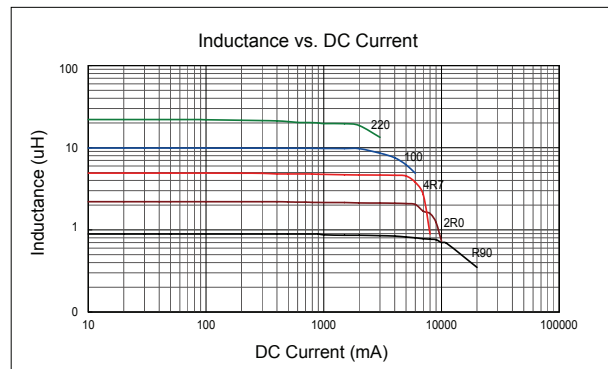
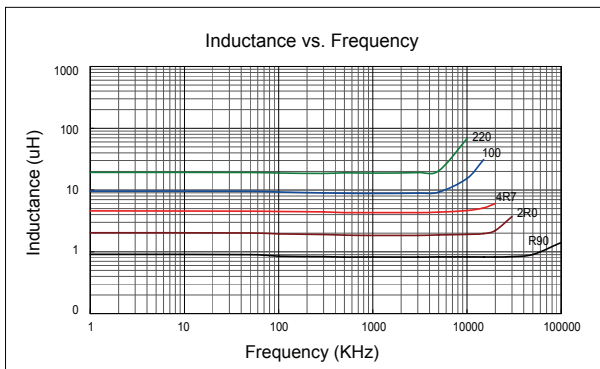
ELECTRICAL SPECIFICATION

Part Number	Marking	Inductance @100KHz (uH)	Inductance Tolerance	DCR ±30% (Ω)	Rated Current (mA)		SRF (MHz) Min.
					Saturation Current Idc1	Temperature Rise Current Idc2	
CSMS0840D-R90N-LRH	0R9	0.9	±30%	0.006	13000	7800	85
CSMS0840D-1R4N-LRH	1R4	1.4	±30%	0.007	10000	7000	63
CSMS0840D-2R0N-LRH	2R0	2.0	±30%	0.009	8100	6300	50
CSMS0840D-3R6N-LRH	3R6	3.6	±30%	0.015	6400	4900	34
CSMS0840D-4R7N-LRH	4R7	4.7	±30%	0.018	5400	4100	30
CSMS0840D-6R8N-LRH	6R8	6.8	±30%	0.025	4400	3700	24
CSMS0840D-100M-LRH	100	10	±20%	0.034	3800	3100	22
CSMS0840D-150M-LRH	150	15	±20%	0.050	2900	2400	16
CSMS0840D-220M-LRH	220	22	±20%	0.066	2400	2200	13

- 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

CSMS0840D Series



SMD

Leaded