

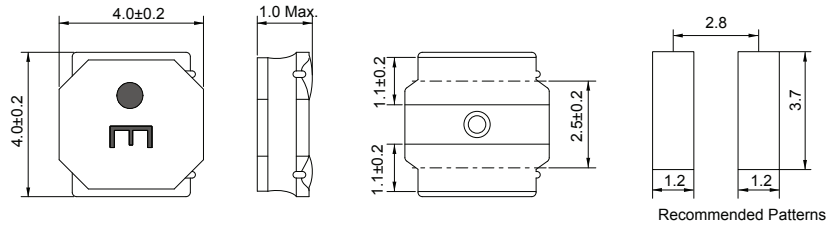
CSMS0410D Series (SHIELDED)

■ SMD Wire Wound Power Inductors

MECHANICAL DIMENSIONS



CSMS0410D



unit: mm

ELECTRICAL SPECIFICATION

Part Number	Marking	Inductance @100KHz (uH)	Inductance Tolerance	DCR ±20% (Ω)	Rated Current (mA)		SRF (MHz) Min.
					Saturation Current Idc1	Temperature Rise Current Idc2	
CSMS0410D-1R0N-LRH	A	1.0	±30%	0.056	2000	1900	116
CSMS0410D-2R2M-LRH	C	2.2	±20%	0.085	1200	1500	73
CSMS0410D-3R3M-LRH	E	3.3	±20%	0.100	1100	1400	58
CSMS0410D-4R7M-LRH	H	4.7	±20%	0.140	950	1200	47
CSMS0410D-6R8M-LRH	I	6.8	±20%	0.200	800	1000	38
CSMS0410D-100M-LRH	K	10	±20%	0.300	620	750	31
CSMS0410D-150M-LRH	M	15	±20%	0.430	540	600	24
CSMS0410D-220M-LRH	N	22	±20%	0.570	450	500	19

- 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

CSMS0410D Series

