

LCM1210H Molded Chip Inductors



ELECTRICAL CHARACTERISTICS

TOLERANCE: J = ±5%, K = ±10%

PACKAGING: Clear tape and reel (standard)

L/Q: Agilent/HP4291 + Agilent/HP16193A

SRF: Agilent/HP4291A

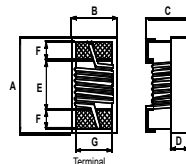
RDC: DIGITAL MULTIMETER CH502BC HP4338B

Idc for Inductance drop 10% from its value without current.

Operating temperature range from -25°C to 85°C

DIMENSIONS IN MM

SHAPES AND DIMENSIONS



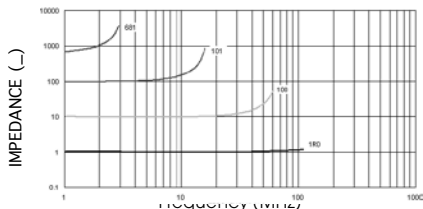
DIMENSIONS IN MM

TYPE	A	B	C	D	E	F	G
LCM1210H	3.70 ^{±0}	2.90 ^{±0}	2.60 ^{±0}	0.90 REF	2.18	0.51	2.40

Part Number	Inductance (μH)	Test Frequency (MHz)	Tolerance	Q Min	SRF (MHz) min	DC Resistance (Ω) Max	IDC (mA) Max
LCM1210H-1R0K	1.0	7.96	5 / 10	20	100	0.08	1500
LCM1210H-1R2K	1.2	7.96	5 / 10	20	90	0.08	1400
LCM1210H-1R5K	1.5	7.96	5 / 10	20	80	0.13	1125
LCM1210H-2R2K	2.2	7.96	5 / 10	20	68	0.13	970
LCM1210H-3R3K	3.3	7.96	5 / 10	20	54	0.16	837
LCM1210H-4R7K	4.7	7.96	5 / 10	20	43	0.20	675
LCM1210H-6R8K	6.8	7.96	5 / 10	20	33	0.27	600
LCM1210H-8R2K	8.2	7.96	5 / 10	20	30	0.32	580
LCM1210H-100K	10	2.52	5 / 10	15	28	0.36	520
LCM1210H-150K	15	2.52	5 / 10	15	19	0.56	480
LCM1210H-220K	22	2.52	5 / 10	15	16	0.77	310
LCM1210H-330K	33	2.52	5 / 10	15	12	1.10	270
LCM1210H-470K	47	2.52	5 / 10	15	10	1.64	210
LCM1210H-680K	68	2.52	5 / 10	15	9	2.80	189
LCM1210H-101K	100	0.796	5 / 10	15	6	3.70	145
LCM1210H-151K	150	0.796	5 / 10	15	5	6.10	120
LCM1210H-221K	220	0.796	5 / 10	15	4	8.40	100
LCM1210H-331K	330	0.796	5 / 10	15	3.5	12.3	80
LCM1210H-471K	470	0.796	5 / 10	15	2.8	22.0	75
LCM1210H-681K	680	0.796	5 / 10	15	2	28.0	65

Test Instruments: HP4291A Material/Impedance Analyzer

Inductance vs. Frequency Characteristics



Q vs. Frequency Characteristics

