LCM1008H Molded Chip Inductors

ELECTRICAL CHARACTERISTICS

TOLERANCE: J = ±5%, K = ±10%

PACKAGING: Clear tape and reel {standard}

L /Q: Agilent/HP4291 + Agilent/HP16193A

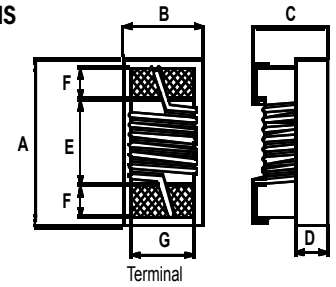
SRF: Agilent/HP4291A

RDC: DIGITAL MULTIMETER CH502BC HP4338B

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

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

SHAPES AND DIMENSIONS



DIMENSIONS IN MM

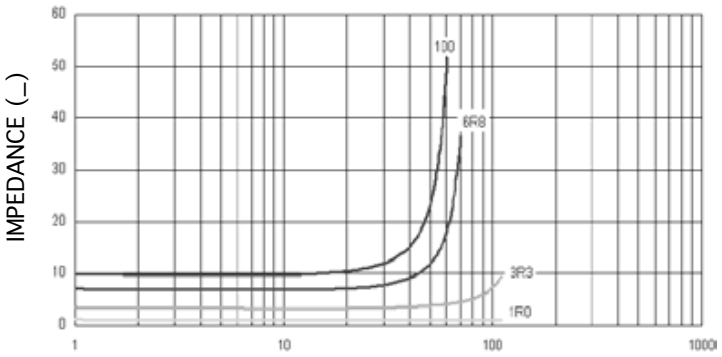
TYPE	A	B	C	D	E	F	G
LCM1008H	2.92+0	2.79+0	2.20+0	0.70 REF	1.52	0.51	2.03

DIMENSIONS IN MM

Part Number	Inductance (µH)	Test Frequency (MHz)	Tolerance	Q Min	Test	SRF (MHz) min	DC Resistance (Ω) Max	IDC (mA) Max
LCM1008H-1R0K	1.0	7.96	10 / 5	25	7.96	300	0.34	1500
LCM1008H-1R5K	1.5	7.96	10 / 5	25	7.96	270	0.42	1400
LCM1008H-2R2K	2.2	7.96	10 / 5	25	7.96	140	0.50	1200
LCM1008H-3R3K	3.3	7.96	10 / 5	25	7.96	95	0.65	1000
LCM1008H-4R7K	4.7	7.96	10 / 5	25	7.96	90	0.80	800
LCM1008H-6R8K	6.8	7.96	10 / 5	25	7.96	68	1.00	730
LCM1008H-100K	10	2.52	10 / 5	20	2.52	45	1.50	700
LCM1008H-150K	15	2.52	10 / 5	20	2.52	40	2.20	500
LCM1008H-220K	22	2.52	10 / 5	20	2.52	25	2.70	470
LCM1008H-330K	33	2.52	10 / 5	20	2.52	25	4.00	400
LCM1008H-420K	47	2.52	10 / 5	16	2.52	20	8.00	300

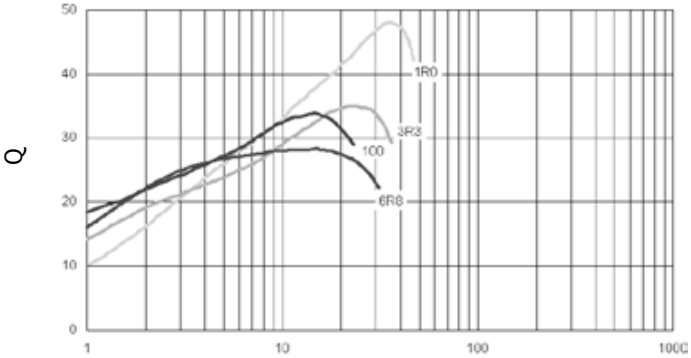
Test Instruments: HP4291A Material/Impedance Analyzer

Inductance vs. Frequency Characteristics



Frequency (MHz)

Q vs. Frequency Characteristics



Frequency (MHz)