LCM1812H 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

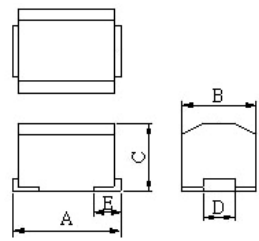
RDC: DIGITAL MULTIMETER CH502BC HP4338B

Idc for Inductance drop 10% from its value without current.
Operating temperature range from -25°C to 85°C

DIMENSIONS IN MM

Part Number	Ind. (µH)	Tol. (±%)	Q Min.	Test Frq (MHz)	SRF (MHz) min	DCR (Ω) Max	IDC (mA) Max
LCM1812H-1R0K	1.0	10	10	7.96	200	0.11	1050
LCM1812H-1R2K	1.2	10	10	7.96	155	0.12	1000
LCM1812H-1R5K	1.5	10	10	7.96	130	0.15	950
LCM1812H-1R8K	1.8	10	10	7.96	100	0.16	900
LCM1812H-2R2K	2.2	10	10	7.96	80	0.18	850
LCM1812H-2R7K	2.7	10	10	7.96	55	0.20	800
LCM1812H-3R3K	3.3	10	10	7.96	45	0.22	750
LCM1812H-3R9K	3.9	10	10	7.96	40	0.24	700
LCM1812H-4R7K	4.7	10	10	7.96	35	0.27	650
LCM1812H-5R6K	5.6	10	10	7.96	30	0.30	650
LCM1812H-6R8K	6.8	10	10	7.96	28	0.35	600
LCM1812H-8R2K	8.2	10	10	7.96	25	0.40	600
LCM1812H-100K	10	10	10	2.52	22	0.50	550
LCM1812H-120K	12	10	10	2.52	21	0.60	500
LCM1812H-150K	15	10	10	2.52	20	0.70	450
LCM1812H-180K	18	10	10	2.52	18	0.80	400
LCM1812H-220K	22	10	10	2.52	17	0.90	370
LCM1812H-270K	27	10	10	2.52	15	1.20	330
LCM1812H-330K	33	10	10	2.52	14	1.40	300
LCM1812H-390K	39	10	10	2.52	12	1.60	280
LCM1812H-470K	47	10	10	2.52	11.5	1.90	260
LCM1812H-560K	56	10	10	2.52	10.5	2.20	240
LCM1812H-680K	68	10	10	2.52	9.0	2.60	220
LCM1812H-820K	82	10	10	2.52	8.5	3.50	200
LCM1812H-101K	100	10	20	0.796	7.0	4.00	180
LCM1812H-121K	120	10	20	0.796	6.5	4.50	160
LCM1812H-151K	150	10	20	0.796	6.0	6.50	140
LCM1812H-181K	180	10	20	0.796	5.5	7.50	120
LCM1812H-221K	220	10	20	0.796	5.0	9.00	120
LCM1812H-271K	270	10	20	0.796	4.5	11.0	100
LCM1812H-331K	330	10	20	0.796	4	13.0	90

SHAPES AND DIMENSIONS

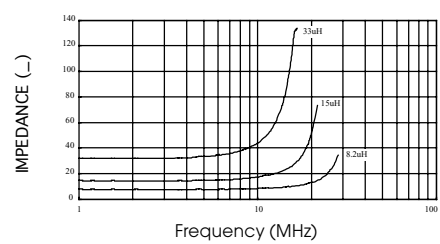


DIMENSIONS IN MM

TYPE	A	B	C	D	E
LCM1812H	4.5±0.3	3.2±0.3	3.2±0.3	1.4±0.4	0.9±0.2

Test Instruments: HP4291A Material/Impedance Analyzer

Inductance vs. Frequency Characteristics



Q vs. Frequency Characteristics