

# LCM2220H 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

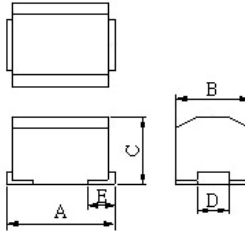
I<sub>dc</sub> for Inductance drop 10% from its value without current.

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

DIMENSIONS IN MM

Part Number	Ind. (µH)	Tol. (±%)	Q Min.	Test Freq (MHz)	SRF (MHz) min	DCR (Ω) Max	IDC (mA) Max
LCM2220H-1R0K	1.0	10	10	7.96	95	0.03	1800
LCM2220H-1R2K	1.2	10	10	7.96	70	0.035	1700
LCM2220H-1R5K	1.5	10	10	7.96	55	0.04	1600
LCM2220H-1R8K	1.8	10	10	7.96	47	0.05	1400
LCM2220H-2R2K	2.2	10	10	7.96	42	0.06	1300
LCM2220H-2R7K	2.7	10	10	7.96	37	0.07	1200
LCM2220H-3R3K	3.3	10	10	7.96	34	0.08	1120
LCM2220H-3R9K	3.9	10	10	7.96	32	0.09	1050
LCM2220H-4R7K	4.7	10	10	7.96	29	0.11	950
LCM2220H-5R6K	5.6	10	10	7.96	26	0.13	880
LCM2220H-6R8K	6.8	10	10	7.96	24	0.15	810
LCM2220H-8R2K	8.2	10	10	7.96	22	0.18	750
LCM2220H-100K	10	10	10	2.52	19	0.21	690
LCM2220H-120K	12	10	10	2.52	17	0.25	630
LCM2220H-150K	15	10	10	2.52	16	0.30	580
LCM2220H-180K	18	10	10	2.52	14	0.36	530
LCM2220H-220K	22	10	10	2.52	13	0.43	480
LCM2220H-270K	27	10	10	2.52	11.5	0.52	440
LCM2220H-330K	33	10	10	2.52	10.5	0.62	400
LCM2220H-390K	39	10	10	2.52	9.5	0.72	370
LCM2220H-470K	47	10	10	2.52	8.5	0.85	340
LCM2220H-560K	56	10	10	2.52	7.8	1.00	310
LCM2220H-680K	68	10	10	2.52	7	1.2	290
LCM2220H-820K	82	10	10	2.52	6.4	1.4	270
LCM2220H-101K	100	10	20	0.796	6	1.6	250
LCM2220H-121K	120	10	20	0.796	5.4	1.9	230
LCM2220H-151K	150	10	20	0.796	4.8	2.2	210
LCM2220H-181K	180	10	20	0.796	4.4	2.8	190
LCM2220H-221K	220	10	20	0.796	3.9	3.4	170
LCM2220H-271K	270	10	20	0.796	3.6	4.2	155
LCM2220H-331K	330	10	20	0.796	3.2	4.9	140
LCM2220H-391K	390	10	20	0.796	2.9	5.8	130
LCM2220H-471K	470	10	20	0.796	2.6	7	120
LCM2220H-561K	560	10	20	0.796	2.4	8.5	110
LCM2220H-681K	680	10	20	0.796	2.2	10	100
LCM2220H-821K	820	10	20	0.796	2	13	90
LCM2220H-102K	1000	10	20	0.252	1.8	15	85

## SHAPES AND DIMENSIONS

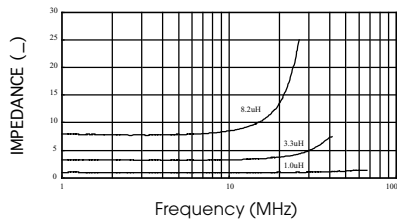


## DIMENSIONS IN MM

TYPE	A	B	C	D	E
LCM2220H	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

