



Notes for LM1 molded inductor:
 Testing: Inductance and Q measured with Q meter HP4342A at specified frequency. DCR measured with milliohm meter. SRF measured on HP4191A impedance analyzer.
 Marking: EIA 5-band color code.
 Packaging: Bulk or Tape & Reel, Reel Size = 5,000 pieces.

Operating Temperature Range: - 55°C ~ + 125°C.
 Rated Current: Based on inductance change within 10% of initial value.
 Inductance Tolerance: K = ± 10% over the entire inductance range,
 J = ± 5% tolerance available by special order.
 Manufactured to RoHS Compliance.

PART NUMBER	INDUCTANCE [μH, ± 10%]	Q MINIMUM	TEST FREQUENCY [MHz]	SELF-RESONANT FREQUENCY MINIMUM [MHz]	DC RESISTANCE OHMS MAXIMUM []	RATED DC CURRENT MAX [mA]
LM1-R10K	.10	40	25	680	.08	1350
LM1-R12K	.12	40	25	640	.09	1270
LM1-R15K	.15	38	25	600	.10	1200
LM1-R18K	.18	35	25	550	.12	1105
LM1-R22K	.22	33	25	510	.14	1025
LM1-R27K	.27	33	25	430	.16	960
LM1-R33K	.33	30	25	410	.22	815
LM1-R39K	.39	30	25	365	.30	700
LM1-R47K	.47	30	25	330	.35	650
LM1-R56K	.56	30	25	300	.50	545
LM1-R68K	.68	28	25	275	.60	495
LM1-R82K	.82	28	25	250	.85	415
LM1-1R0K	1.0	25	25	230	1.00	385
LM1-1R2K	1.2	25	7.9	150	.18	590
LM1-1R5K	1.5	28	7.9	140	.22	535
LM1-1R8K	1.8	30	7.9	125	.30	455
LM1-2R2K	2.2	30	7.9	115	.40	395
LM1-2R7K	2.7	37	7.9	100	.55	355
LM1-3R3K	3.3	45	7.9	90	.85	270
LM1-3R9K	3.9	45	7.9	80	1.0	250
LM1-4R7K	4.7	45	7.9	75	1.2	230
LM1-5R6K	5.6	50	7.9	65	1.8	185
LM1-6R8K	6.8	50	7.9	60	2.0	175
LM1-8R2K	8.2	55	7.9	55	2.7	155
LM1-100K	10	55	7.9	50	3.7	130
LM1-120K	12	45	2.5	40	2.7	155
LM1-150K	15	40	2.5	35	2.8	150
LM1-180K	18	50	2.5	30	3.1	145
LM1-220K	22	50	2.5	25	3.3	140
LM1-270K	27	50	2.5	20	3.5	135
LM1-330K	33	45	2.5	24	3.4	130
LM1-390K	39	45	2.5	22	3.6	125
LM1-470K	47	45	2.5	20	4.5	110
LM1-560K	56	45	2.5	18	5.7	100
LM1-680K	68	50	2.5	15	6.7	92
LM1-820K	82	50	2.5	14	7.3	88
LM1-101K	100	50	2.5	13	8	84
LM1-121K	120	30	.79	12	13	66
LM1-151K	150	30	.79	11	15	61
LM1-181K	180	30	.79	10	17	57
LM1-221K	220	30	.79	9	21	52
LM1-271K	270	30	.79	8	25	47
LM1-331K	330	30	.79	7.0	28	45
LM1-391K	390	30	.79	6.5	35	40
LM1-471K	470	30	.79	6.0	42	36
LM1-561K	560	30	.79	5.0	46	35
LM1-681K	680	30	.79	4.0	60	30
LM1-821K	820	30	.79	3.8	65	29
LM1-102K	1000	30	.79	3.4	72	28