



**Notes for LM3 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 = 2,500 pieces.

Operating Temperature Range: - 55°C ~ + 125°C.

Rated Current: Based on the inductance change within 10% of the 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]
LM3-R15K	0.15	50	25	510	0.030	3050
LM3-R18K	0.18	50	25	465	0.033	2950
LM3-R22K	0.22	50	25	415	0.035	2800
LM3-R27K	0.27	50	25	360	0.050	2400
LM3-R33K	0.33	50	25	305	0.065	2000
LM3-R39K	0.39	50	25	302	0.070	1850
LM3-R47K	0.47	50	25	300	0.085	1700
LM3-R56K	0.56	50	25	270	0.125	1450
LM3-R68K	0.68	45	25	250	0.150	1300
LM3-R82K	0.82	40	25	210	0.205	1100
LM3-1R0K	1.0	40	25	200	0.290	930
LM3-1R2K	1.2	30	7.9	180	0.400	785
LM3-1R5K	1.5	30	7.9	170	0.485	700
LM3-1R8K	1.8	30	7.9	150	0.740	550
LM3-2R2K	2.2	30	7.9	140	0.970	505
LM3-2R7K	2.7	30	7.9	120	1.200	460
LM3-3R3K	3.3	30	7.9	70	0.140	990
LM3-3R9K	3.9	30	7.9	65	0.155	870
LM3-4R7K	4.7	30	7.9	60	0.210	745
LM3-5R6K	5.6	30	7.9	50	0.280	645
LM3-6R8K	6.8	30	7.9	50	0.375	560
LM3-8R2K	8.2	60	7.9	48	0.440	540
LM3-100K	10	30	7.9	42	0.605	440
LM3-120K	12	50	2.5	36	1.05	370
LM3-150K	15	60	2.5	30	1.20	310
LM3-180K	18	60	2.5	30	1.95	255
LM3-220K	22	60	2.5	24	2.20	240
LM3-270K	27	65	2.5	22	2.75	205
LM3-330K	33	65	2.5	18	2.30	300
LM3-390K	39	55	2.5	16	2.50	285
LM3-470K	47	55	2.5	14	3.40	245
LM3-560K	56	55	2.5	14	4.10	225
LM3-680K	68	45	2.5	11	4.20	220
LM3-820K	82	55	2.5	9.3	4.40	215
LM3-101K	100	45	0.79	8.5	4.90	205
LM3-121K	120	60	0.79	7.3	5.40	195



PART NUMBER	INDUCTANCE [ $\mu$ H, $\pm$ 10%]	Q MINIMUM	TEST FREQUENCY [MHz]	SELF-RESONANT FREQUENCY MINIMUM [MHz]	DC RESISTANCE OHMS MAXIMUM [ ]	RATED DC CURRENT MAX [mA]
LM3-151K	150	60	0.79	6.2	6.20	180
LM3-181K	180	60	0.79	5.7	7.10	170
LM3-221K	220	60	0.79	5.2	7.90	160
LM3-271K	270	65	0.79	5.6	8.20	110
LM3-301K	300	65	0.79	5.3	8.70	107
LM3-331K	330	65	0.79	5.0	9.10	105
LM3-361K	360	65	0.79	4.7	9.60	102
LM3-391K	390	65	0.79	4.5	10.0	100
LM3-431K	430	65	0.79	4.3	10.6	97
LM3-471K	470	65	0.79	4.0	11.1	95
LM3-511K	510	65	0.79	3.8	11.6	93
LM3-561K	560	65	0.79	3.8	12.3	91
LM3-621K	620	60	0.79	3.5	13.0	88
LM3-681K	680	60	0.79	3.4	13.7	85
LM3-751K	750	60	0.79	3.3	14.4	83
LM3-821K	820	60	0.79	3.1	15.1	81
LM3-911K	910	60	0.79	2.9	15.8	79
LM3-102K	1000	60	0.79	2.8	16.5	78