



Notes for LD1 conformal coated inductor:
 Rated Current: Based on the inductance change within 10% of the initial value.
 Operating Temperature Range: - 55°C ~ + 125°C.
 Inductance Tolerance: K = ± 10% over entire inductance range,
 J = ± 5% tolerance available by special order.
 Marking: EIA 4-band color code.

Testing: Inductance and Q measured with Q meter HP4342A at specified frequency. DCR Measured with milliohm meter. SRF measured on HP4191A impedance analyzer.
 Packaging: Bulk or Tape & Reel, Reel Size = 5,000 pieces.
 Manufactured to RoHS Compliance.

PART NUMBER	INDUCTANCE [μH, ± 10%]	TEST FREQUENCY [MHz]	Q MINIMUM	SRF MINIMUM [MHz]	DC RESISTANCE OHMS MAX []	RATED DC CURRENT MAX [mA]
LD1-R10K	.10	25	40	680	.08	1350
LD1-R12K	.12	25	40	640	.09	1270
LD1-R15K	.15	25	38	600	.10	1200
LD1-R18K	.18	25	35	550	.12	1105
LD1-R22K	.22	25	33	510	.14	1025
LD1-R27K	.27	25	33	430	.16	960
LD1-R33K	.33	25	30	410	.22	815
LD1-R39K	.39	25	30	365	.30	700
LD1-R47K	.47	25	30	330	.35	650
LD1-R56K	.56	25	30	300	.50	545
LD1-R68K	.68	25	28	275	.60	495
LD1-R82K	.82	25	28	250	.85	415
LD1-1R0K	1.0	25	25	230	1.00	385
LD1-1R2K	1.2	7.9	25	150	.18	590
LD1-1R5K	1.5	7.9	28	140	.22	535
LD1-1R8K	1.8	7.9	30	125	.30	455
LD1-2R2K	2.2	7.9	30	115	.40	395
LD1-2R7K	2.7	7.9	37	100	.55	355
LD1-3R3K	3.3	7.9	45	90	.85	270
LD1-3R9K	3.9	7.9	45	80	1.0	250
LD1-4R7K	4.7	7.9	45	75	1.2	230
LD1-5R6K	5.6	7.9	50	65	1.8	185
LD1-6R8K	6.8	7.9	50	60	2.0	175
LD1-8R2K	8.2	7.9	55	55	2.7	155
LD1-100K	10	7.9	55	50	3.7	130
LD1-120K	12	2.5	45	40	2.7	155
LD1-150K	15	2.5	40	35	2.8	150
LD1-180K	18	2.5	50	30	3.1	145
LD1-220K	22	2.5	50	25	3.3	140
LD1-270K	27	2.5	50	20	3.5	135
LD1-330K	33	2.5	45	24	3.4	130
LD1-390K	39	2.5	45	22	3.6	125
LD1-470K	47	2.5	45	20	4.5	110
LD1-560K	56	2.5	45	18	5.7	100
LD1-680K	68	2.5	50	15	6.7	92
LD1-820K	82	2.5	50	14	7.3	88
LD1-101K	100	2.5	50	13	8.0	84
LD1-121K	120	0.79	30	12	13	66
LD1-151K	150	0.79	30	11	15	61
LD1-181K	180	0.79	30	10	17	57
LD1-221K	220	0.79	30	9	21	52
LD1-271K	270	0.79	30	8	25	47
LD1-331K	330	0.79	30	7.0	28	45
LD1-391K	390	0.79	30	6.5	35	40
LD1-471K	470	0.79	30	6.0	42	36
LD1-561K	560	0.79	30	5.0	46	35
LD1-681K	680	0.79	30	4.0	60	30
LD1-821K	820	0.79	30	3.8	65	29
LD1-102K	1000	0.79	30	3.4	72	28