



Notes for LD3 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 the entire inductance range,
 J = ± 5% tolerance available by special order.

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.
 Marking: EIA 4-band color code.
 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]
LD3-R10K	0.10	25	40	400	0.06	1360
LD3-R12K	0.12	25	40	400	0.06	1280
LD3-R15K	0.15	25	40	400	0.07	1200
LD3-R18K	0.18	25	40	400	0.07	1120
LD3-R22K	0.22	25	25	380	0.21	880
LD3-R27K	0.27	25	25	340	0.24	800
LD3-R33K	0.33	25	25	300	0.28	750
LD3-R39K	0.39	25	25	280	0.32	680
LD3-R47K	0.47	25	25	250	0.36	650
LD3-R56K	0.56	25	25	230	0.41	600
LD3-R68K	0.68	25	25	210	0.47	550
LD3-R82K	0.82	25	45	172	0.17	980
LD3-1R0K	1.0	25	45	157	0.19	920
LD3-1R2K	1.2	7.9	50	144	0.21	880
LD3-1R5K	1.5	7.9	50	131	0.23	830
LD3-1R8K	1.8	7.9	55	121	0.25	790
LD3-2R2K	2.2	7.9	55	110	0.28	750
LD3-2R7K	2.7	7.9	60	100	0.30	720
LD3-3R3K	3.3	7.9	65	94	0.34	670
LD3-3R9K	3.9	7.9	65	86	0.37	640
LD3-4R7K	4.7	7.9	70	80	0.39	620
LD3-5R6K	5.6	7.9	70	74	0.43	590
LD3-6R8K	6.8	7.9	75	68	0.48	550
LD3-8R2K	8.2	7.9	80	53	0.52	530
LD3-100K	10	7.9	85	45	0.58	500
LD3-120K	12	2.5	75	34	0.63	480
LD3-150K	15	2.5	70	20	0.72	460
LD3-180K	18	2.5	65	14	0.77	430
LD3-220K	22	2.5	60	9.9	0.80	410
LD3-270K	27	2.5	55	7.6	0.94	390
LD3-330K	33	2.5	55	6.3	1.03	370
LD3-390K	39	2.5	50	6.3	1.12	350
LD3-470K	47	2.5	45	6.3	1.22	340
LD3-560K	56	2.5	40	6.2	1.34	320
LD3-680K	68	2.5	40	5.7	1.47	305
LD3-820K	82	2.5	35	5.3	1.62	290
LD3-101K	100	2.5	30	4.8	1.8	275
LD3-121K	120	0.79	70	3.8	3.7	185
LD3-151K	150	0.79	70	3.5	4.2	175
LD3-181K	180	0.79	70	3.3	4.6	165
LD3-221K	220	0.79	70	3.0	5.1	155
LD3-271K	270	0.79	65	2.8	5.8	145

PART NUMBER	INDUCTANCE [μ H, \pm 10%]	TEST FREQUENCY [MHz]	Q MINIMUM	SRF MINIMUM [MHz]	DC RESISTANCE OHMS MAX []	RATED DC CURRENT MAX [mA]
LD3-331K	330	0.79	65	2.6	6.4	137
LD3-391K	390	0.79	65	2.4	7.0	133
LD3-471K	470	0.79	60	2.25	7.7	126
LD3-561K	560	0.79	60	2.10	8.5	120
LD3-681K	680	0.79	55	1.95	9.4	113
LD3-821K	820	0.79	55	1.85	10.5	100
LD3-102K	1000	0.79	50	1.4	14	100
LD3-122K	1200	0.252	50	1.3	17	115
LD3-152K	1500	0.252	40	1.3	22	100
LD3-182K	1800	0.252	40	1.2	24	95
LD3-222K	2200	0.252	40	1.1	35	80
LD3-272K	2700	0.252	40	1.0	40	75
LD3-332K	3300	0.252	40	0.90	60	62
LD3-392K	3900	0.252	40	0.80	66	59
LD3-472K	4700	0.252	40	0.70	74	55
LD3-562K	5600	0.252	30	0.55	70	40
LD3-682K	6800	0.252	30	0.50	85	35
LD3-822K	8200	0.252	30	0.40	95	30
LD3-103K	10,000	0.252	20	0.35	105	25