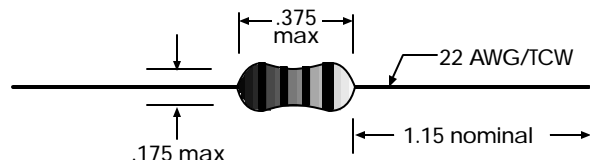
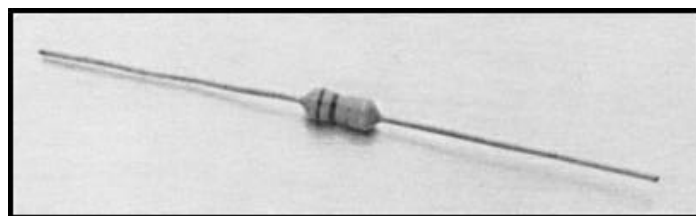


# LD4 Conformal Coated Inductors



These axial-leaded inductors are conformal coated with an epoxy material, making them more durable than a lacquer coated models. They are cost effective and compact – ideal for automatic insertion.

INDUCTANCES 0.10μH to 1,000μH

OPERATING TEMPERATURE RANGE -55°C to +105°C

CURRENT RATING Based on 0.25 watt power dissipation.

INDUCTANCE TOLERANCE ±10% over entire inductance range. (Special values and tighter tolerances available upon request.)

TESTING Inductance and Q measured with Q meter HP4342A at specified frequency. DCR measured with Milliohm meter. SRF measured on HP4191A Impedance Analyzer.

MARKING 4-Band Color Code.

PACKAGING Bulk or Tape and Reel.

Notes:

- (1) Inductance and Q to be measured on HP4342A Q meter or equivalent.
- (2) Maximum Operating Temperature: -45°C to 125°C.
- (3) Marking: Color code per EIA; 4 bands.
- (4) Rated Current: based on current level when L is less than 10% from its initial reading.
- (5) Dielectric Withstanding: 500Vrms.

PART NUMBER	INDUCTANCE (μH)	FREQUENCY (MHz)	Q MINIMUM	SELF RESONANT FREQUENCY (MHz)	DC RESISTANCE OHMS MAXIMUM (W)	RATED CURRENT (AMPS)
LD4-1R0K	1.0	7.9	47	140	0.070	1.900
LD4-1R2K	1.2	7.9	46	130	0.093	1.600
LD4-1R5K	1.5	7.9	45	115	0.120	1.300
LD4-1R8K	1.8	7.9	43	105	0.140	1.200
LD4-2R2K	2.2	7.9	45	100	0.190	1.100
LD4-2R7K	2.7	7.9	46	92	0.280	0.950
LD4-3R3K	3.3	7.9	44	85	0.350	0.800
LD4-3R9K	3.9	7.9	44	75	0.400	0.750
LD4-4R7K	4.7	7.9	44	70	0.550	0.650
LD4-5R6K	5.6	7.9	47	65	0.720	0.550
LD4-6R8K	6.8	7.9	50	55	1.020	0.500
LD4-8R2K	8.2	7.9	50	50	1.320	0.475
LD4-100K	10	7.9	49	46	1.620	0.450
LD4-120K	12	2.5	55	44	2.000	0.400
LD4-150K	15	2.5	44	49	0.800	0.620
LD4-180K	18	2.5	45	45	0.890	0.610
LD4-220K	22	2.5	46	40	0.960	0.600
LD4-270K	27	2.5	49	38	1.190	0.500
LD4-330K	33	2.5	45	34	1.370	0.490
LD4-390K	39	2.5	53	29	1.930	0.410
LD4-470K	47	2.5	52	27	2.110	0.400
LD4-560K	56	2.5	49	25	2.230	0.380
LD4-680K	68	2.5	51	21	2.700	0.370
LD4-820K	82	2.5	45	11	2.440	0.360
LD4-101K	100	2.5	45	10	3.120	0.325
LD4-121K	120	0.79	57	9.7	3.600	0.290
LD4-151K	150	0.79	56	8.5	4.100	0.275
LD4-181K	180	0.79	60	8	4.400	0.260
LD4-221K	220	0.79	58	7.5	5.000	0.250
LD4-271K	270	0.79	60	7	5.800	0.240
LD4-331K	330	0.79	54	6.5	6.400	0.225
LD4-391K	390	0.79	67	6.2	7.400	0.200
LD4-471K	470	0.79	60	5.7	9.500	0.180
LD4-561K	560	0.79	60	4.7	10.500	0.174
LD4-681K	680	0.79	60	4.5	11.800	0.168
LD4-821K	820	0.79	57	4.2	13.000	0.152
LD4-102K	1000	0.79	65	3.8	17.500	0.135