MINIATURE CONFORMAL COATED POWER INDUCTOR SERIES DD

FEATURES

- Highest current capacity per volume
- Low price
- Compact size
- Good for auto insertion
- Available with cut & formed leads
- Available on Tape & Reel

ELECTRICAL CHARACTERISTICS

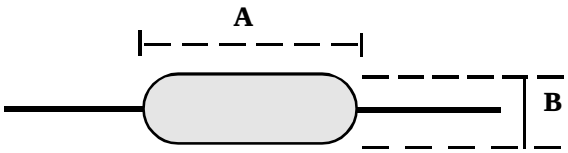
- Inductance range — 1.0µH to 1000µH
- Tolerance — ±10% over entire range
- Rated current — Based on value obtained when initial value changes within plus or minus 10%
- Testing procedures — L & DCR are measured with Wayne Kerr Precision Components Analyzer at 1 KHz and with 100 mVAC

PHYSICAL CHARACTERISTICS

- Dielectric strength — 500 volts RMS
- Operating temperature — -55°C to +105°C
- Terminal strength — 5 lbs pull test per MIL-STD-202E
- Resistance to solvents — Conforms to MIL-STD-202
- Construction — Epoxy coated
- Marking — 4 Band EIA color code
- Packaging — Bulk: 1000 pieces per bag; Reel: 2500 pieces per reel

DIMENSIONS IN INCHES

- Body length A — 0.40" ±0.03"*
- Body diameter B — 0.16" ±0.03"**
- Lead wire — 22 AWG / TCW
- Lead length — 1.05" minimum



SPECIFICATIONS

PART NUMBER	L (µH)	DCR Max (Ω)	RATED CURRENT (Amp)	SATURATION CURRENT (Amp)
DD-1R0K	1.0	0.025	4.0	7.5
DD-1R2K	1.2	0.025	4.0	7.5
DD-1R5K	1.5	0.028	4.0	7.5
DD-1R8K	1.8	0.030	4.0	7.5
DD-2R2K	2.2	0.033	4.0	6.1
DD-2R7K	2.7	0.035	4.0	5.0
DD-3R3K	3.3	0.040	3.0	4.7
DD-3R9K	3.9	0.045	3.0	4.5
DD-4R7K	4.7	0.050	3.0	4.5
DD-5R6K	5.6	0.058	3.0	4.5
DD-6R8K	6.8	0.060	3.0	3.5
DD-8R2K	8.2	0.065	2.0	3.0
DD-100K	10.0	0.085	2.0	3.0
DD-120K	12	0.09	1.0	2.5
DD-150K	15	0.10	1.0	2.5
DD-180K	18	0.12	1.0	2.0
DD-220K	22	0.15	1.0	2.0
DD-250K	25	0.15	1.0	2.0
DD-270K	27	0.17	1.0	1.7
DD-330K	33	0.19	1.0	1.5
DD-390K	39	0.21	1.0	1.5
DD-470K	47	0.23	1.0	1.3
DD-560K	56	0.38	0.6	1.2
DD-680K	68	0.42	0.6	1.2
DD-820K	82	0.45	0.6	0.85
DD-101K	100	0.80	0.6	0.80
DD-121K	120	1.10	0.50	0.70
DD-151K	150	1.10	0.50	0.70
DD-181K	180	1.25	0.40	0.65
DD-221K	220	1.30	0.40	0.60
DD-251K	250	1.45	0.40	0.56
DD-271K	270	1.95	0.30	0.50
DD-331K	330	2.10	0.30	0.50
DD-391K	390	2.25	0.30	0.42
DD-471K	470	2.50	0.20	0.36
DD-561K	560	3.10	0.20	0.35
DD-681K	680	4.60	0.20	0.31
DD-821K	820	5.25	0.15	0.30
DD-102K	1000	6.00	0.15	0.25

NOTE *Actual body length is shorter. However, due to epoxy coating, sometimes we do have a very thin layer extended on leads, we have to use .03" tolerance to cover this area.

**We can also provide smaller part with OD 0.147"+/-0.02 with same electrical charteristics as our standard parts. Please consult factory for this item.