

HIGH CURRENT DRUM CORE INDUCTOR SERIES D

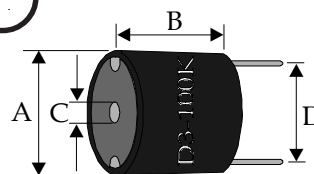
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ELECTRICAL CHARACTERISTICS

- Inductance 1.0uH to 4700uH
- Tolerance $\pm 20\%$ for values under 10 μ H
 $\pm 10\%$ for values above 10 μ H
- Rated current Obtained when Lo drops 10% typical
- Testing procedures Quadtech LCR 1750 Meter @ 1KHz

PHYSICAL CHARACTERISTICS

- Dielectric strength 500 volts RMS
- Operating temp. -25°C to +105°C
- Finish Varnish or covered with UL/CSA shrink tube
- Lead spec. Self-leaded. All leads are tinned within 1/8" of body, Lead length is 0.25" min.
- Marking Part number
- Packaging 100 pieces per board



DIMENSIONS IN INCHES

Size	Dia. A (Max)	Height B (Max)	Center Hole C (Nominal)
D1	0.600"	0.800"	0.198"
D2	0.810"	0.800"	0.178"
D3	1.050"	0.840"	0.178"
D4	1.450"	1.100"	0.230"

D1 & D2 SPECIFICATIONS

Part Number	L (μ H)	DCR Max (Ω)	Rated Current (Amps)	Lead Spacing D ± 0.05 "
D1-1R0M	1.0	0.003	9.0	0.550"
D1-1R2M	1.2	0.003	9.0	0.550"
D1-1R5M	1.5	0.004	9.0	0.550"
D1-1R8M	1.8	0.004	9.0	0.550"
D1-2R2M	2.2	0.005	9.0	0.550"
D1-2R7M	2.7	0.005	9.0	0.550"
D1-3R3M	3.3	0.005	9.0	0.550"
D1-3R9M	3.9	0.006	9.0	0.550"
D1-4R7M	4.7	0.007	9.0	0.550"
D1-5R6M	5.6	0.007	9.0	0.550"
D1-6R8M	6.8	0.008	9.0	0.550"
D1-8R2M	8.2	0.009	9.0	0.550"
D1-100K	10	0.010	9.0	0.550"
D1-120K	12	0.011	9.0	0.550"
D1-150K	15	0.015	7.2	0.500"
D1-180K	18	0.016	7.2	0.500"
D1-220K	22	0.025	5.5	0.500"
D1-270K	27	0.030	4.5	0.500"
D1-330K	33	0.040	4.0	0.406"
D1-390K	39	0.046	4.0	0.469"
D1-470K	47	0.062	2.8	0.469"
D1-560K	56	0.069	2.8	0.485"
D1-680K	68	0.077	2.8	0.500"
D1-820K	82	0.083	2.8	0.500"
D1-101K	100	0.095	2.8	0.500"
D1-121K	120	0.127	2.0	0.480"
D1-151K	150	0.181	1.6	0.480"
D1-181K	180	0.217	1.6	0.480"
D1-221K	220	0.240	1.6	0.480"
D1-271K	270	0.300	1.6	0.480"
D1-331K	330	0.336	1.3	0.480"
D1-391K	390	0.460	1.0	0.480"
D1-471K	470	0.636	0.8	0.450"
D1-561K	560	0.696	0.8	0.450"

Part Number	L (μ H)	DCR Max (Ω)	Rated Current (Amps)	Lead Spacing D ± 0.05 "
D2-1R0M	1.0	0.003	11.4	0.620"
D2-1R2M	1.2	0.003	11.4	0.620"
D2-1R5M	1.5	0.003	11.4	0.620"
D2-1R8M	1.8	0.003	11.4	0.620"
D2-2R2M	2.2	0.004	11.4	0.620"
D2-2R7M	2.7	0.005	11.4	0.620"
D2-3R3M	3.3	0.005	11.4	0.620"
D2-3R9M	3.9	0.005	11.4	0.620"
D2-4R7M	4.7	0.005	11.4	0.620"
D2-5R6M	5.6	0.006	11.4	0.620"
D2-6R8M	6.8	0.007	11.4	0.620"
D2-8R2M	8.2	0.007	11.4	0.620"
D2-100K	10	0.009	11.4	0.620"
D2-120K	12	0.009	11.4	0.620"
D2-150K	15	0.013	9.0	0.625"
D2-180K	18	0.018	7.2	0.630"
D2-220K	22	0.019	7.2	0.630"
D2-270K	27	0.026	5.5	0.546"
D2-330K	33	0.029	5.5	0.546"
D2-390K	39	0.030	5.5	0.594"
D2-470K	47	0.035	5.5	0.625"
D2-560K	56	0.039	5.5	0.625"
D2-680K	68	0.053	4.8	0.656"
D2-820K	82	0.060	4.8	0.656"
D2-101K	100	0.080	4.0	0.593"
D2-121K	120	0.090	4.0	0.593"
D2-151K	150	0.098	4.0	0.593"
D2-181K	180	0.110	4.0	0.671"
D2-221K	220	0.150	2.8	0.593"
D2-271K	270	0.213	2.0	0.562"
D2-331K	330	0.305	1.6	0.590"
D2-391K	390	0.320	1.6	0.590"
D2-471K	470	0.355	1.6	0.590"
D2-561K	560	0.388	1.6	0.590"
D2-681K	680	0.430	1.6	0.590"
D2-821K	820	0.590	1.3	0.590"
D2-102K	1000	0.818	1.0	0.590"
D2-122K	1200	1.140	0.8	0.590"
D2-152K	1500	1.260	0.8	0.590"
D2-182K	1800	1.390	0.8	0.590"
D2-222K	2200	1.540	0.8	0.590"

D3 SPECIFICATIONS

Part Number	L (μH)	DCR Max. (Ω)	Rated Current Max. (Amps)	Lead Spacing D ± 0.05"
D3-1R0M	1.0	0.003	21	0.800"
D3-1R2M	1.2	0.003	21	0.800"
D3-1R5M	1.5	0.003	21	0.800"
D3-1R8M	1.8	0.003	21	0.800"
D3-2R2M	2.2	0.003	21	0.800"
D3-2R7M	2.7	0.003	21	0.800"
D3-3R3M	3.3	0.003	21	0.800"
D3-3R9M	3.9	0.003	21	0.800"
D3-4R7M	4.7	0.003	21	0.800"
D3-5R6M	5.6	0.003	21	0.800"
D3-6R8M	6.8	0.004	21	0.800"
D3-8R2M	8.2	0.004	21	0.800"
D3-100K	10.0	0.006	17	0.700"
D3-120K	12	0.008	13.5	0.690"
D3-150K	15	0.009	13.5	0.690"
D3-180K	18	0.010	13.5	0.690"
D3-220K	22	0.011	13.5	0.790"
D3-270K	27	0.012	13.5	0.790"
D3-330K	33	0.017	13.5	0.790"
D3-390K	39	0.022	11.4	0.790"
D3-470K	47	0.024	9.0	0.750"
D3-560K	56	0.026	9.0	0.750"
D3-680K	68	0.029	9.0	0.750"
D3-820K	82	0.032	9.0	0.750"
D3-101K	100	0.034	9.0	0.781"
D3-121K	120	0.046	7.2	0.750"
D3-151K	150	0.064	5.5	0.781"
D3-181K	180	0.072	5.5	0.781"
D3-221K	220	0.080	5.5	0.781"
D3-271K	270	0.110	4.5	0.750"
D3-331K	330	0.122	4.5	0.812"
D3-391K	390	0.169	4.0	0.750"
D3-471K	470	0.187	4.0	0.750"
D3-561K	560	0.205	4.0	0.750"
D3-681K	680	0.256	2.8	0.718"
D3-821K	820	0.288	2.8	0.843"
D3-102K	1000	0.426	2.0	0.750"
D3-122K	1200	0.462	2.0	0.750"
D3-152K	1500	0.518	2.0	0.750"
D3-182K	1800	0.705	1.6	0.770"
D3-222K	2200	1.020	1.3	0.770"
D3-272K	2700	1.140	1.3	0.770"
D3-312K	3100	1.300	1.0	0.780"

D4 SPECIFICATIONS

Part Number	L (μH)	DCR Max. (Ω)	Rated Current Max. (Amps)	Lead Spacing D ± 0.05"
D4-1R8M	1.8	0.002	27	0.90"
D4-2R2M	2.2	0.002	27	0.90"
D4-2R7M	2.7	0.003	27	0.90"
D4-3R3M	3.3	0.003	27	0.90"
D4-3R9M	3.9	0.003	27	0.90"
D4-4R7M	4.7	0.003	27	0.90"
D4-5R6M	5.6	0.004	27	0.90"
D4-6R8M	6.8	0.004	27	0.90"
D4-8R2M	8.2	0.004	27	0.90"
D4-100K	10.0	0.005	27	0.90"
D4-120K	12	0.005	27.0	0.90"
D4-150K	15	0.006	27.0	0.90"
D4-180K	18	0.008	27.0	0.90"
D4-220K	22	0.009	21.0	0.90"
D4-270K	27	0.010	21.0	1.00"
D4-330K	33	0.011	21.0	1.00"
D4-390K	39	0.012	21.0	1.00"
D4-470K	47	0.018	14.4	1.00"
D4-560K	56	0.019	14.4	1.00"
D4-680K	68	0.021	14.4	1.00"
D4-820K	82	0.023	14.4	1.00"
D4-101K	100	0.025	14.4	1.00"
D4-121K	120	0.028	14.4	1.00"
D4-151K	150	0.040	11.4	0.95"
D4-181K	180	0.045	11.4	0.95"
D4-221K	220	0.050	11.4	0.95"
D4-271K	270	0.056	11.4	0.95"
D4-331K	330	0.074	11.4	0.95"
D4-391K	390	0.082	9.0	1.05"
D4-471K	470	0.114	7.2	1.05"
D4-561K	560	0.125	7.2	1.05"
D4-681K	680	0.139	7.2	0.98"
D4-821K	820	0.154	7.2	0.98"
D4-102K	1000	0.216	5.5	0.96"
D4-122K	1200	0.232	5.5	0.96"
D4-152K	1500	0.324	4.5	1.00"
D4-182K	1800	0.360	4.5	1.00"
D4-222K	2200	0.494	4.0	1.05"
D4-272K	2700	0.555	4.0	1.05"
D4-332K	3300	0.773	2.8	1.05"
D4-392K	3900	0.845	2.8	1.05"
D4-472K	4700	1.140	2.0	1.05"

1. All lead spacing is in inches and is measured at the bottom, close to the core
2. Other values are available by special order
3. If smaller or larger sizes are required, please contact our Sales Department