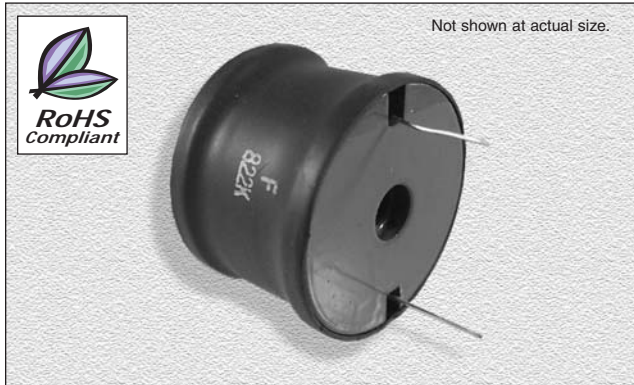


CTDR4F Series

From 1.8 μH to 15,000 μH



CHARACTERISTICS

- Description:** Radial leaded drum core inductor
- Applications:** Used in switching regulators, power amplifiers, power supplies, SCR and Triac controls, speaker crossover networks, RFI suppression and filters
- Operating Temperature:** -25°C to +85°C
- Inductance Tolerance:** $\pm 10\%$, $\pm 20\%$
- Testing:** Inductance is tested on an HP4284A at 1.0 kHz
- Saturated Current:** Lowers inductance by 5%
- Packaging:** Bulk pack
- Sleeving:** Coils finished with UL-VW-1 sleeving
- Mounting:** Center hole furnished for mechanical mounting
- Miscellaneous:** **RoHS Compliant.** Non-standard tolerances and other values available.
- Additional Information:** Additional electrical & physical information available upon request
- Samples available. See website for ordering information.**

SPECIFICATIONS

Parts numbers indicate available tolerance.
K = $\pm 10\%$, M = $\pm 20\%$

Part Number	Inductance at 1kHz (μH)	DCR Max. (Ω)	Saturated Current (A)	Wire Dia. Ref. (inch)	Dim. D (inch)
CTDR4F-1R8M	1.8	0.002	27.0	0.081	1.11
CTDR4F-2R2M	2.2	0.002	27.0	0.081	1.11
CTDR4F-2R7M	2.7	0.003	27.0	0.081	1.11
CTDR4F-3R3M	3.3	0.003	27.0	0.081	1.11
CTDR4F-4R7M	4.7	0.003	27.0	0.081	1.11
CTDR4F-5R6M	5.6	0.004	27.0	0.081	1.11
CTDR4F-6R8M	6.8	0.004	27.0	0.081	1.15
CTDR4F-8R2M	8.2	0.004	27.0	0.081	1.15
CTDR4F-100K	10	0.005	27.0	0.081	1.15
CTDR4F-120K	12	0.005	27.0	0.081	1.15
CTDR4F-150K	15	0.006	27.0	0.081	1.15
CTDR4F-180K	18	0.008	27.0	0.081	1.15
CTDR4F-220K	22	0.009	21.0	0.081	1.15
CTDR4F-270K	27	0.010	21.0	0.081	1.15
CTDR4F-330K	33	0.011	21.0	0.072	1.15
CTDR4F-390K	39	0.012	21.0	0.072	1.15
CTDR4F-470K	47	0.018	14.4	0.072	1.15
CTDR4F-560K	56	0.019	14.4	0.064	1.15
CTDR4F-680K	68	0.021	14.4	0.064	1.15
CTDR4F-820K	82	0.023	14.4	0.064	1.15
CTDR4F-101K	100	0.025	14.4	0.064	1.15
CTDR4F-121K	120	0.028	14.4	0.057	1.15
CTDR4F-151K	150	0.040	11.4	0.057	1.15
CTDR4F-181K	180	0.045	11.4	0.057	1.15
CTDR4F-221K	220	0.050	11.4	0.051	1.15
CTDR4F-271K	270	0.056	11.4	0.051	1.15
CTDR4F-331K	330	0.074	11.4	0.051	1.15
CTDR4F-391K	390	0.082	9.0	0.045	1.15
CTDR4F-471K	470	0.114	7.2	0.045	1.15
CTDR4F-561K	560	0.125	7.2	0.040	1.15
CTDR4F-681K	680	0.139	7.2	0.040	1.15
CTDR4F-821K	820	0.154	7.2	0.040	1.15
CTDR4F-102K	1000	0.216	5.5	0.040	1.15
CTDR4F-122K	1200	0.232	5.5	0.036	1.14
CTDR4F-152K	1500	0.324	4.5	0.036	1.14
CTDR4F-182K	1800	0.360	4.5	0.036	1.14
CTDR4F-222K	2200	0.494	4.0	0.032	1.10
CTDR4F-272K	2700	0.555	4.0	0.032	1.12
CTDR4F-332K	3300	0.773	2.8	0.029	1.10
CTDR4F-392K	3900	0.845	2.8	0.029	1.10
CTDR4F-472K	4700	1.140	2.0	0.029	1.12
CTDR4F-562K	5600	1.600	2.0	0.025	1.09
CTDR4F-682K	6800	1.760	1.6	0.025	1.12
CTDR4F-822K	8200	1.950	1.6	0.023	1.09
CTDR4F-103K	10000	2.760	1.3	0.023	1.11
CTDR4F-123K	12000	3.040	1.3	0.020	1.08
CTDR4F-153K	15000	3.390	1.3	0.020	1.10

PHYSICAL DIMENSIONS

Size	A	B	C
	Max.	Max.	Max.
mm	26.2	38.1	12.7
inches	1.03	1.50	0.50

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