CTDR3F Series

From 1.0µH to 4,700µH



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
Temperature Rise: 50°C Max. at IDC
IDC: Current at which inductance drops 10% Max.
Inductance Tolerance: ±10%, ±20%
Testing: Inductance is tested on an HP4284A at 1.0 kHz
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.

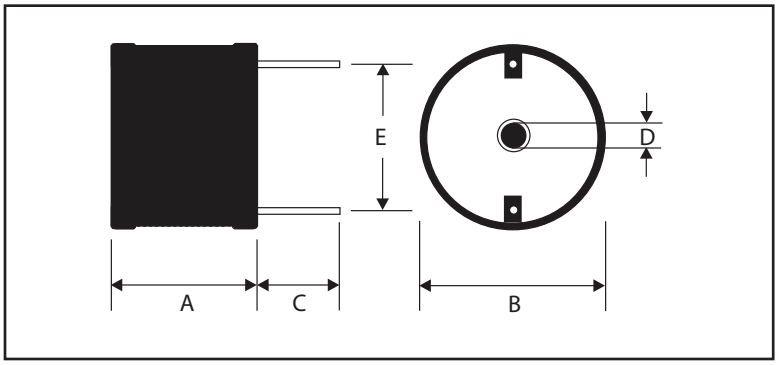
SPECIFICATIONS

Part numbers indicate available inductance tolerance.
K = ±10%, M = ±20%

Part Number	Inductance (µH)	L Test Freq. (kHz)	DCR Max. (Ω)	IDC Max. (A)
CTDR3F-1R0M	1.0	1.0	.003	21
CTDR3F-1R2M	1.2	1.0	.003	21
CTDR3F-1R5M	1.5	1.0	.003	21
CTDR3F-2R2M	2.2	1.0	.003	21
CTDR3F-2R7M	2.7	1.0	.003	21
CTDR3F-3R3M	3.3	1.0	.003	21
CTDR3F-3R9M	3.9	1.0	.003	21
CTDR3F-4R7M	4.7	1.0	.003	21
CTDR3F-5R6M	5.6	1.0	.003	21
CTDR3F-6R8M	6.8	1.0	.004	21
CTDR3F-8R2M	8.2	1.0	.004	21
CTDR3F-100M	10	1.0	.006	17
CTDR3F-120K	12	1.0	.008	13.5
CTDR3F-150K	15	1.0	.009	13.5
CTDR3F-180K	18	1.0	.010	13.5
CTDR3F-220K	22	1.0	.011	13.5
CTDR3F-270K	27	1.0	.012	13.5
CTDR3F-330K	33	1.0	.017	13.5
CTDR3F-390K	39	1.0	.022	11.4
CTDR3F-470K	47	1.0	.024	9.0
CTDR3F-560K	56	1.0	.026	9.0
CTDR3F-680K	68	1.0	.029	9.0
CTDR3F-820K	82	1.0	.032	9.0
CTDR3F-101K	100	1.0	.034	9.0
CTDR3F-121K	120	1.0	.046	7.2
CTDR3F-151K	150	1.0	.064	5.5
CTDR3F-181K	180	1.0	.072	5.5
CTDR3F-221K	220	1.0	.080	5.5
CTDR3F-271K	270	1.0	.110	4.5
CTDR3F-331K	330	1.0	.122	4.5
CTDR3F-391K	390	1.0	.169	4.0
CTDR3F-471K	470	1.0	.187	4.0
CTDR3F-561K	560	1.0	.205	4.0
CTDR3F-681K	680	1.0	.256	2.8
CTDR3F-821K	820	1.0	.288	2.8
CTDR3F-102K	1000	1.0	.426	2.0
CTDR3F-122K	1200	1.0	.462	2.0
CTDR3F-152K	1500	1.0	.518	2.0
CTDR3F-182K	1800	1.0	.705	1.6
CTDR3F-222K	2200	1.0	1.02	1.3
CTDR3F-272K	2700	1.0	1.14	1.3
CTDR3F-332K	3300	1.0	1.27	1.3
CTDR3F-392K	3900	1.0	1.67	1.0
CTDR3F-472K	4700	1.0	1.86	1.0

PHYSICAL DIMENSIONS

Size	A Max.	B Max.	C	D Typ.	E
mm	22.0	28.0	15.0±2.0	5.59	22.0
inches	0.87	1.1	0.59±0.08	0.22	0.87



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