CTDR1F Series
From 1.0µH to 560µH



CHARACTERISTICS

Description: Radial leaded drum core inductor
Applications: Used in switching regulators, power amplifiers, power supplies, DCR 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 a HP4284A at 1.0kHz, 1V
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.

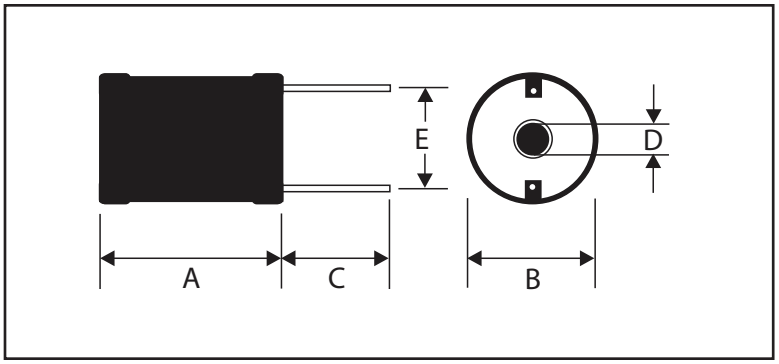
SPECIFICATIONS

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

Part Number	Inductance (µH)	L Test Freq. (kHz)	DCR Max. (Ω)	IDC Max. (A)
CTDR1F-1R0M	1.0	1.0	.003	9.0
CTDR1F-1R2M	1.2	1.0	.003	9.0
CTDR1F-1R5M	1.5	1.0	.004	9.0
CTDR1F-1R8M	1.8	1.0	.004	9.0
CTDR1F-2R2M	2.2	1.0	.005	9.0
CTDR1F-2R7M	2.7	1.0	.005	9.0
CTDR1F-3R3M	3.3	1.0	.005	9.0
CTDR1F-3R9M	3.9	1.0	.006	9.0
CTDR1F-4R7M	4.7	1.0	.007	9.0
CTDR1F-5R6M	5.6	1.0	.007	9.0
CTDR1F-6R8M	6.8	1.0	.008	9.0
CTDR1F-8R2M	8.2	1.0	.009	9.0
CTDR1F-100M	10	1.0	.010	9.0
CTDR1F-120K	12	1.0	.011	9.0
CTDR1F-150K	15	1.0	.015	7.2
CTDR1F-180K	18	1.0	.016	7.2
CTDR1F-220K	22	1.0	.025	5.5
CTDR1F-270K	27	1.0	.030	4.5
CTDR1F-330K	33	1.0	.040	4.0
CTDR1F-390K	39	1.0	.046	4.0
CTDR1F-470K	47	1.0	.062	2.8
CTDR1F-560K	56	1.0	.069	2.8
CTDR1F-680K	68	1.0	.077	2.8
CTDR1F-820K	82	1.0	.083	2.8
CTDR1F-101K	100	1.0	.095	2.8
CTDR1F-121K	120	1.0	.127	2.0
CTDR1F-151K	150	1.0	.181	1.6
CTDR1F-181K	180	1.0	.217	1.6
CTDR1F-221K	220	1.0	.240	1.6
CTDR1F-271K	270	1.0	.300	1.6
CTDR1F-331K	330	1.0	.336	1.3
CTDR1F-391K	390	1.0	.460	1.0
CTDR1F-471K	470	1.0	.636	0.8
CTDR1F-561K	560	1.0	.696	0.8

PHYSICAL DIMENSIONS

Size	A Max.	B Max.	C	D Typ.	E Typ.
mm	22.0	17.0	15±2	3.0	12
inches	0.87	0.67	0.59±0.08	0.12	0.47



Copyright © 2017 by CT Magnetics, DBA Central Technologies. All rights reserved.
CT Magnetics reserves the right to make improvements or change specifications without notice