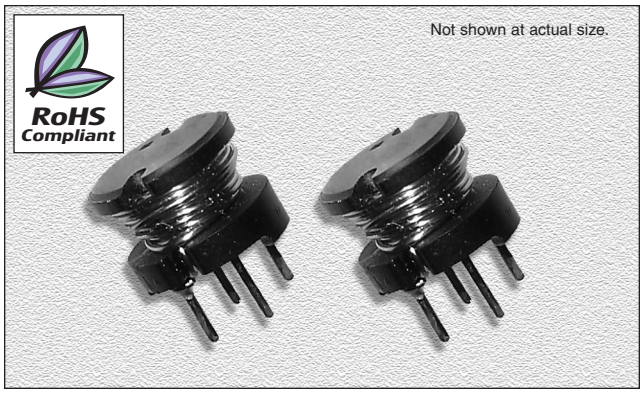
CTCH108F Series

From 10 µH to 1,000 µH



CHARACTERISTICS

Description: Radial leaded fixed inductor
Applications: High reliability, efficiency and saturation. Ideal for use as a power choke coil in switching power supply, TV sets, video appliances, and industrial equipment as well as use as a peaking coil in filtering applications
Inductance Tolerance: ±10%, ±20%
Testing: Tested on a HP4285A or HP4284A at specified frequency
Packaging: Bulk packaging
Rated Current: The rated D.C. current indicates the value of current when the inductance is 10% lower than its initial value at D.C. superposition or D.C. current when at Δt=40°C whichever is lower. (Ta=20°C)
Miscellaneous: RoHS Compliant
Additional Information: Additional electrical & physical information available upon request
Samples available. See website for ordering information.

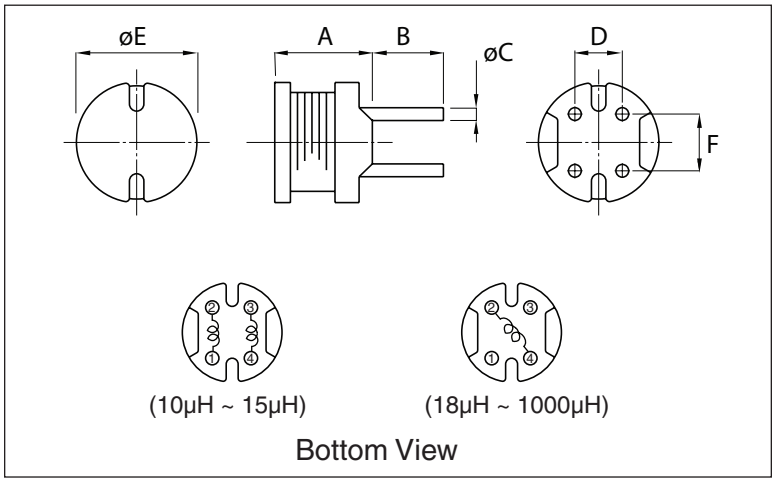
SPECIFICATIONS

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

Part Number	Inductance (µH)	Test Freq. (_Hz)	DCR Max. (Ω)	Rated DC (A)
CTCH108F-100M	10	2.52M	0.027	4.50
CTCH108F-120M	12	2.52M	0.031	4.10
CTCH108F-150M	15	2.52M	0.036	3.70
CTCH108F-180M	18	2.52M	0.049	3.40
CTCH108F-220M	22	2.52M	0.055	3.10
CTCH108F-270M	27	2.52M	0.062	2.80
CTCH108F-330K	33	2.52M	0.079	2.50
CTCH108F-390K	39	2.52M	0.087	2.30
CTCH108F-470K	47	2.52M	0.099	2.10
CTCH108F-560K	56	2.52M	0.130	1.90
CTCH108F-680K	68	2.52M	0.140	1.70
CTCH108F-820K	82	2.52M	0.160	1.60
CTCH108F-101K	100	1.00k	0.210	1.40
CTCH108F-121K	120	1.00k	0.240	1.30
CTCH108F-151K	150	1.00k	0.320	1.20
CTCH108F-181K	180	1.00k	0.350	1.10
CTCH108F-221K	220	1.00k	0.450	0.96
CTCH108F-271K	270	1.00k	0.610	0.87
CTCH108F-331K	330	1.00k	0.690	0.79
CTCH108F-391K	390	1.00k	0.780	0.72
CTCH108F-471K	470	1.00k	1.000	0.66
CTCH108F-561K	560	1.00k	1.200	0.60
CTCH108F-681K	680	1.00k	1.400	0.55
CTCH108F-821K	820	1.00k	1.800	0.50
CTCH108F-102K	1000	1.00k	2.100	0.45

PHYSICAL DIMENSIONS

Size	A	B	C	D	E	F
mm	8.0±0.5	3.5±1.0	0.7+0.1,-0.05	4.0±0.3	10.0±0.5	5.0±0.3
inches	0.31±0.02	0.14±0.04	0.027+0.004,-0.002	0.16±0.012	0.40±0.02	0.20±0.012



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