

## CTCH110F Series

From 10  $\mu\text{H}$  to 1,000  $\mu\text{H}$



### CHARACTERISTICS

**Description:** Radial leaded fixed inductor

**Applications:** 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:**  $\pm 10\%$  &  $\pm 20\%$

**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  $\Delta t=40^\circ\text{C}$  whichever is lower. ( $T_a=20^\circ\text{C}$ )

**Miscellaneous:** RoHS Compliant

**Additional Information:** Additional electrical & physical information available upon request

**Samples available. See website for ordering information.**

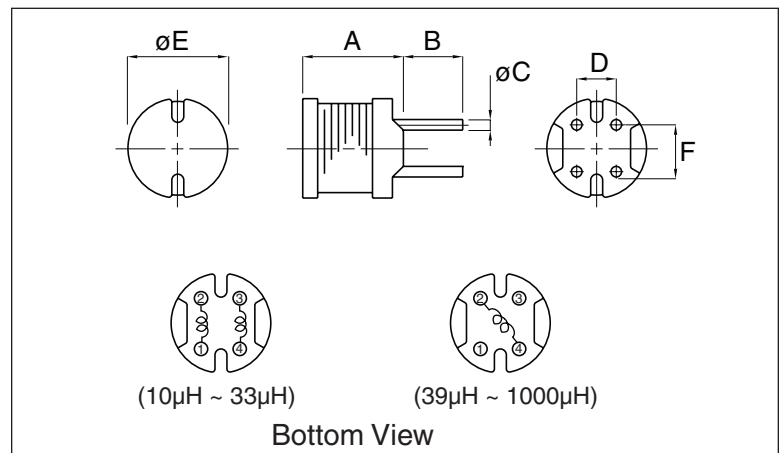
### SPECIFICATIONS

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

Part Number	Inductance ( $\mu\text{H}$ )	Test Freq. (Hz)	DCR Max. ( $\Omega$ )	Rated DC (A)
CTCH110F-100M	10	2.52M	0.022	5.30
CTCH110F-120M	12	2.52M	0.023	4.90
CTCH110F-150M	15	2.52M	0.026	4.40
CTCH110F-180M	18	2.52M	0.033	4.00
CTCH110F-220M	22	2.52M	0.037	3.60
CTCH110F-270M	27	2.52M	0.048	3.30
CTCH110F-330M	33	2.52M	0.055	2.90
CTCH110F-390M	39	2.52M	0.073	2.70
CTCH110F-470M	47	2.52M	0.083	2.50
CTCH110F-560M	56	2.52M	0.092	2.30
CTCH110F-680M	68	2.52M	0.120	2.10
CTCH110F-820M	82	2.52M	0.140	1.90
CTCH110F-101K	100	1.00k	0.160	1.70
CTCH110F-121K	120	1.00k	0.200	1.50
CTCH110F-151K	150	1.00k	0.230	1.40
CTCH110F-181K	180	1.00k	0.310	1.30
CTCH110F-221K	220	1.00k	0.340	1.10
CTCH110F-271K	270	1.00k	0.400	1.00
CTCH110F-331K	330	1.00k	0.520	0.93
CTCH110F-391K	390	1.00k	0.650	0.86
CTCH110F-471K	470	1.00k	0.710	0.78
CTCH110F-561K	560	1.00k	1.000	0.71
CTCH110F-681K	680	1.00k	1.100	0.65
CTCH110F-821K	820	1.00k	1.300	0.59
CTCH110F-102K	1000	1.00k	1.700	0.53

### PHYSICAL DIMENSIONS

Size	A	B	C	D	E	F
mm	10.0 $\pm$ 0.5	3.5 $\pm$ 1.0	0.7+0.1,-0.05	4.0 $\pm$ 0.3	10.0 $\pm$ 0.53	5.0 $\pm$ 0.3
inches	0.4 $\pm$ 0.02	0.14 $\pm$ 0.04	0.027+0.004,-0.002	0.16 $\pm$ 0.02	0.4 $\pm$ 0.021	0.2 $\pm$ 0.02



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