

## CTCH108F Series

From 10 $\mu$ H to 1,000 $\mu$ H



### SPECIFICATIONS

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

Part Number	Inductance ( $\mu$ H)	Test Freq. (Hz)	DCR Max. ( $\Omega$ )	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

### 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:**  $\pm 10\%$ ,  $\pm 20\%$   
**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 electronic & physical information available upon request  
**Samples available. See website for ordering information.**

### PHYSICAL DIMENSIONS

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

