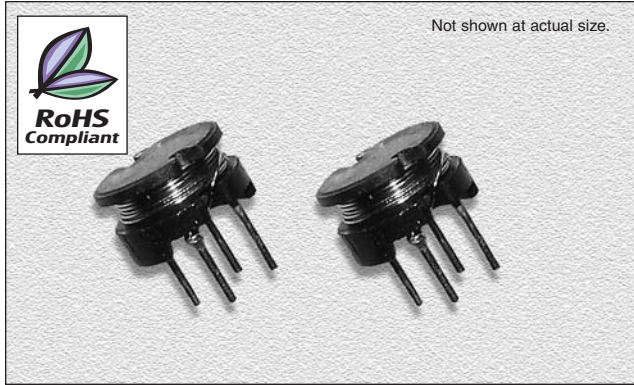


CTCH106F Series

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: $\pm 10\%$, $\pm 20\%$

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

SPECIFICATIONS

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

Part Number	Inductance (μH)	Test Freq. (Hz)	DCR Max. (Ω)	Rated DC (A)
CTCH106F-100M	10	2.52M	0.040	3.60
CTCH106F-120M	12	2.52M	0.044	3.30
CTCH106F-150M	15	2.52M	0.058	2.90
CTCH106F-180M	18	2.52M	0.064	2.70
CTCH106F-220M	22	2.52M	0.088	2.40
CTCH106F-270M	27	2.52M	0.100	2.20
CTCH106F-330K	33	2.52M	0.110	2.00
CTCH106F-390K	39	2.52M	0.140	1.80
CTCH106F-470K	47	2.52M	0.160	1.70
CTCH106F-560K	56	2.52M	0.190	1.50
CTCH106F-680K	68	2.52M	0.220	1.40
CTCH106F-820K	82	2.52M	0.290	1.30
CTCH106F-101K	100	1.00k	0.320	1.30
CTCH106F-121K	120	1.00k	0.380	1.20
CTCH106F-151K	150	1.00k	0.500	1.00
CTCH106F-181K	180	1.00k	0.560	0.84
CTCH106F-221K	220	1.00k	0.780	0.76
CTCH106F-271K	270	1.00k	0.920	0.69
CTCH106F-331K	330	1.00k	1.100	0.62
CTCH106F-391K	390	1.00k	1.300	0.57
CTCH106F-471K	470	1.00k	1.500	0.52
CTCH106F-561K	560	1.00k	1.900	0.48
CTCH106F-681K	680	1.00k	2.200	0.43
CTCH106F-821K	820	1.00k	2.600	0.40
CTCH106F-102K	1000	1.00k	3.200	0.36

PHYSICAL DIMENSIONS

Size	A	B	C	D	E	F
mm	6.0 $\pm$ 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	0.24 $\pm$ 0.02	0.14 $\pm$ 0.04	0.027+0.004,-0.002	0.16 $\pm$ 0.012	0.40 $\pm$ 0.02	0.20 $\pm$ 0.012

