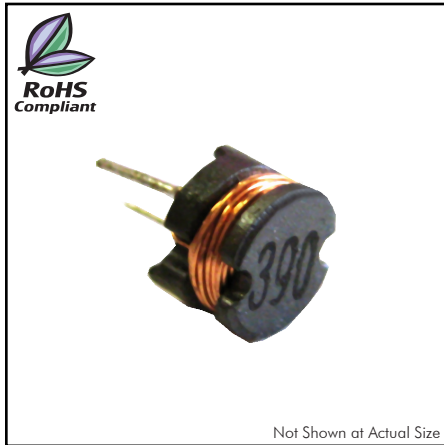


CTCH654F Series From 22 μ H to 1,000 μ H



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: $\pm 10\%$

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 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

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

Part Number	Inductance ($\mu\text{H}\pm 10\%$)	Test Freq. (Hz)	DCR Max. (Ω)	Rated DC (A)
CTCH654F-220K	22	2.52M	0.18	0.90
CTCH654F-270K	27	2.52M	0.21	0.81
CTCH654F-330K	33	2.52M	0.27	0.74
CTCH654F-390K	39	2.52M	0.29	0.68
CTCH654F-470K	47	2.52M	0.34	0.62
CTCH654F-560K	56	2.52M	0.42	0.57
CTCH654F-680K	68	2.52M	0.48	0.51
CTCH654F-820K	82	2.52M	0.55	0.47
CTCH654F-101K	100	1.00k	0.68	0.42
CTCH654F-121K	120	1.00k	0.77	0.39
CTCH654F-151K	150	1.00k	0.95	0.35
CTCH654F-181K	180	1.00k	1.15	0.32
CTCH654F-221K	220	1.00k	1.30	0.29
CTCH654F-271K	270	1.00k	1.55	0.26
CTCH654F-331K	330	1.00k	2.18	0.23
CTCH654F-391K	390	1.00k	2.47	0.21
CTCH654F-471K	470	1.00k	2.92	0.20
CTCH654F-561K	560	1.00k	3.97	0.18
CTCH654F-681K	680	1.00k	4.57	0.16
CTCH654F-821K	820	1.00k	5.28	0.15
CTCH654F-102K	1000	1.00k	7.06	0.13

PHYSICAL DIMENSIONS

Size	A	B	C	D	E
	Max.				
mm	5.0	4.0 \pm 1.0	0.5+0.1, -0.05	6.0 \pm 0.5	4.0 \pm 0.3
inches	0.20	0.16 \pm 0.04	0.02+0.004, -0.002	0.24 \pm 0.02	0.16 \pm 0.012

