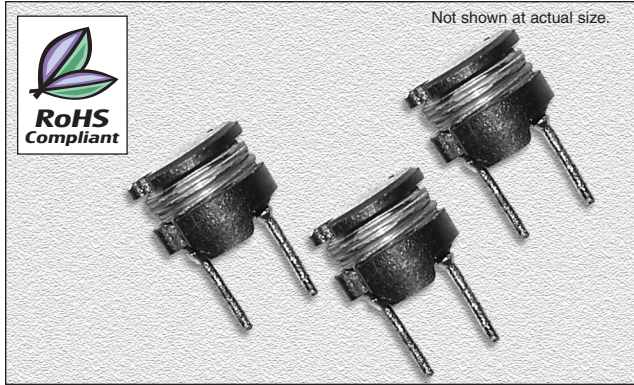


## CTCH654F Series

From 22  $\mu\text{H}$  to 1,000  $\mu\text{H}$

### SPECIFICATIONS

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



Part Number	Inductance ( $\mu\text{H} \pm 10\%$ )	Test Freq. (Hz)	DCR Max. ( $\Omega$ )	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

### 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 or D.C. current when at  $\Delta t = 40^\circ\text{C}$  whichever is lower. ( $T_a = 20^\circ\text{C}$ )

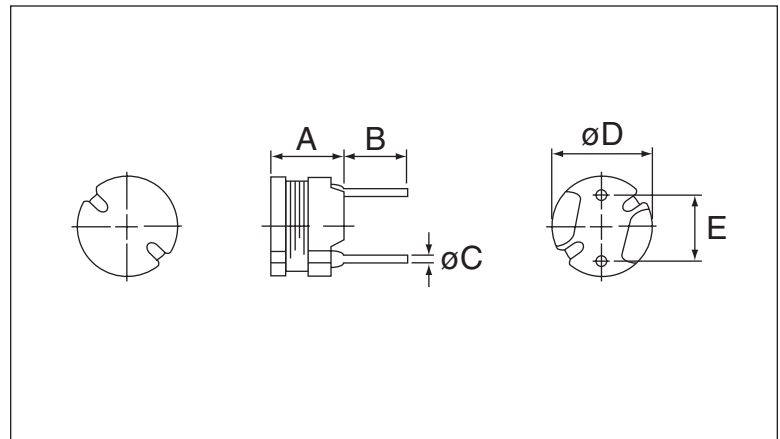
**Miscellaneous:** RoHS Compliant

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

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

### PHYSICAL DIMENSIONS

Size	A Max.	B	C	D	E
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



12.07.06