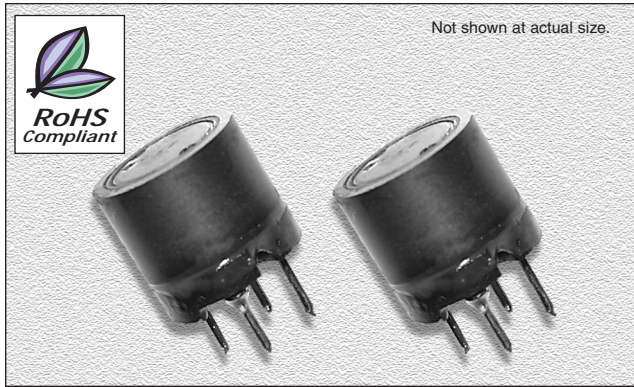


## CTSCH110DF Series

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



### CHARACTERISTICS

**Description:** Radial leaded fixed inductor

**Applications:** Magnetically shielded. 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:**  $\pm 15\%$ ,  $\pm 20\%$

**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

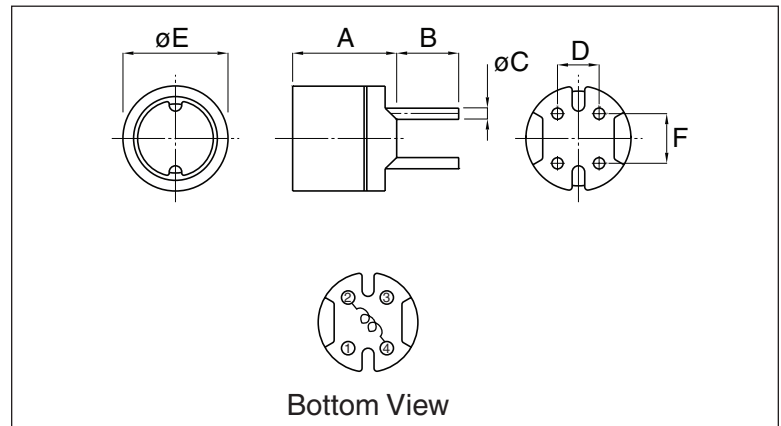
### SPECIFICATIONS

Parts numbers indicate available inductance tolerance.  
L =  $\pm 15\%$ , M =  $\pm 20\%$

Part Number	Inductance ( $\mu\text{H}$ )	Test Freq. (Hz)	DCR Max. ( $\Omega$ )	Rated DC (A)
CTSCH110DF-100M	10	2.52M	0.023	3.51
CTSCH110DF-120M	12	2.52M	0.024	3.24
CTSCH110DF-150M	15	2.52M	0.036	2.88
CTSCH110DF-180M	18	2.52M	0.039	2.61
CTSCH110DF-220M	22	2.52M	0.042	2.34
CTSCH110DF-270M	27	2.52M	0.045	2.16
CTSCH110DF-330L	33	2.52M	0.057	1.89
CTSCH110DF-390L	39	2.52M	0.076	1.80
CTSCH110DF-470L	47	2.52M	0.100	1.62
CTSCH110DF-560L	56	2.52M	0.110	1.44
CTSCH110DF-680L	68	2.52M	0.150	1.35
CTSCH110DF-820L	82	2.52M	0.160	1.26
CTSCH110DF-101L	100	1.00k	0.190	1.08
CTSCH110DF-121L	120	1.00k	0.210	0.99
CTSCH110DF-151L	150	1.00k	0.230	0.90
CTSCH110DF-181L	180	1.00k	0.260	0.82
CTSCH110DF-221L	220	1.00k	0.290	0.74
CTSCH110DF-271L	270	1.00k	0.360	0.67
CTSCH110DF-331L	330	1.00k	0.510	0.61
CTSCH110DF-391L	390	1.00k	0.690	0.55
CTSCH110DF-471L	470	1.00k	0.980	0.51
CTSCH110DF-561L	560	1.00k	1.100	0.46
CTSCH110DF-681L	680	1.00k	1.200	0.42
CTSCH110DF-821L	820	1.00k	1.300	0.38
CTSCH110DF-102L	1000	1.00k	1.500	0.35

### PHYSICAL DIMENSIONS

Size	A	B	C	D	E	F
mm	10.5 $\pm$ 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	0.41 $\pm$ 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



07.06.11