

## CTSLF0755TF Series

From 1.5  $\mu$ H to 100  $\mu$ H



### CHARACTERISTICS

**Description:** SMD (shielded) power inductor  
**Applications:** LCD- TVs, PDP-TVs, LCD displays, DVD recorders, HDDs, DSCs, etc.  
**Operating Temperature:** -40°C to +105°C  
**Inductance Tolerance:** M =  $\pm 20\%$ , N =  $\pm 30\%$   
**Testing:** Inductance is tested on a HP4285A at 100KHz, 1.0V  
**Packaging:** Tape & Reel  
**Marking:** Parts are marked with inductance code  
**Miscellaneous:** RoHS Compliant  
**Additional Information:** Additional electrical & physical information available upon request  
**Samples available. See website for ordering information.**

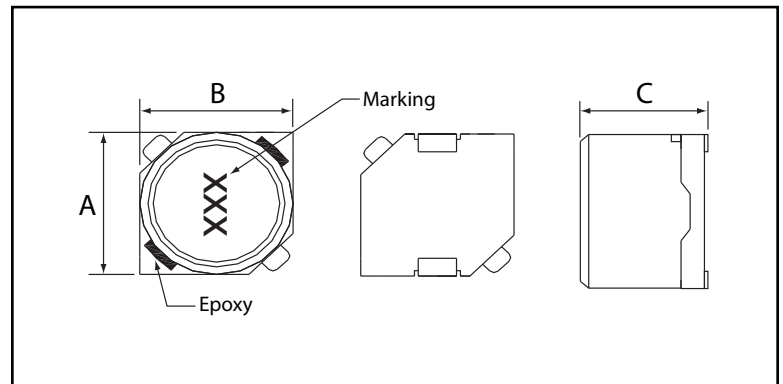
### SPECIFICATIONS

Part numbers indicate inductance tolerance available.  
 N =  $\pm 30\%$ , M =  $\pm 20\%$   
 \*Isat: Based on inductance change ( $\Delta L/L0: \leq -10\%$ )  
 \*\*Irms: Based on temp. rise ( $\Delta T: 30^\circ\text{C Typ.}$ )

Part Number	Inductance ( $\mu$ H)	L Test Freq. (KHz)	DCR $\pm 30\%$ (m $\Omega$ )	*Isat (A)	**Irms (A)
CTSLF0755TF-1R5N	1.5	100	17.4	6.2	4.0
CTSLF0755TF-2R2N	2.2	100	21.7	5.3	3.5
CTSLF0755TF-3R3N	3.3	100	24.0	4.3	3.3
CTSLF0755TF-3R9N	3.9	100	25.8	4.0	3.2
CTSLF0755TF-4R7N	4.7	100	28.0	3.6	3.1
CTSLF0755TF-6R8N	6.8	100	34.0	3.0	2.8
CTSLF0755TF-100M	10.0	100	39.1	2.6	2.5
CTSLF0755TF-150M	15.0	100	50.8	2.1	2.2
CTSLF0755TF-180M	18.0	100	56.5	1.9	2.1
CTSLF0755TF-220M	22.0	100	64.3	1.7	2.0
CTSLF0755TF-330M	33.0	100	87.0	1.4	1.7
CTSLF0755TF-470M	47.0	100	130.0	1.2	1.4
CTSLF0755TF-680M	68.0	100	200.0	0.9	1.1
CTSLF0755TF-101M	100.0	100	293.0	0.8	0.9

### PHYSICAL DIMENSIONS

Size	A	B	C
mm	7.0 $\pm$ 0.2	7.0 $\pm$ 0.2	5.5 $\pm$ 0.3
inches	0.27 $\pm$ 0.0078	0.27 $\pm$ 0.0078	0.22 $\pm$ 0.012



### PAD LAYOUT

