

## CTLV2510SF Series

From 0.47 $\mu$ H to 22 $\mu$ H



### CHARACTERISTICS

- Description:** SMD power inductors sealed with magnetic resin.
- Applications:** Smart phones, DSC, Tablet PC's, DC/DC converters, etc.
- Operating Temperature:** -55°C to +125°C (including self - temperature rise)
- Inductance Tolerance:**  $\pm 20\%$ ,  $\pm 30\%$
- Testing:** Inductance is tested on an HP4284A at 1.0MHz, 200mV
- Packaging:** Tape & Reel.
- Marking:** Parts are marked with letter code.
- Miscellaneous:** **RoHS Compliant.**
- Additional Information:** Additional electrical & physical information available upon request.
- Samples available. See website for ordering information.**

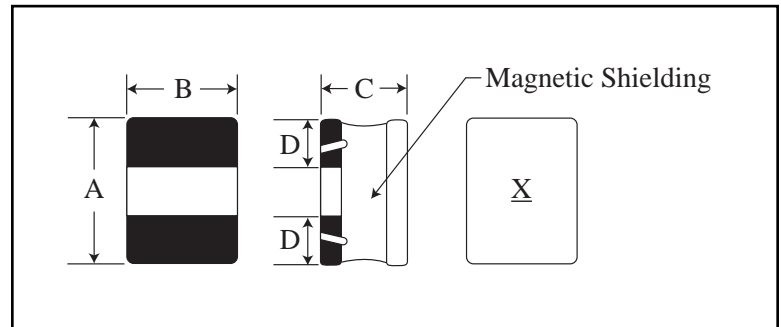
### SPECIFICATIONS

Please specify inductance tolerance code when ordering.  
 CTLV2510SF-R47\_ ← M =  $\pm 20\%$ , N =  $\pm 30\%$   
 \*Isat: For inductance drop 30% from its value without current.  
 \*\*I<sub>rms</sub>: For a 40°C rise above 25°C ambient.

Part Number	Inductance ( $\mu$ H)	L Test Freq. (MHz)	DCR $\pm 30\%$ ( $\Omega$ )	*Isat Typ.(Max.) (A)	**I <sub>rms</sub> Typ.(Max.) (A)
CTLV2510SF-R47_	0.47	1.0	0.045	2.80(2.52)	2.30(2.07)
CTLV2510SF-1R0_	1.0	1.0	0.066	1.98(1.78)	2.05(1.84)
CTLV2510SF-1R5_	1.5	1.0	0.095	1.70(1.53)	1.85(1.66)
CTLV2510SF-4R7_	4.7	1.0	0.285	0.92(0.82)	0.95(0.85)
CTLV2510SF-100_	10	1.0	0.535	0.60(0.54)	0.70(0.63)
CTLV2510SF-150_	15	1.0	0.810	0.50(0.45)	0.55(0.49)
CTLV2510SF-220_	22	1.0	1.200	0.40(0.36)	0.44(0.39)

### PHYSICAL DIMENSIONS

Size	A	B	C	D
mm	2.5 $\pm$ 0.25	2.0 $\pm$ 0.25	1.02	0.8
inches	0.098 $\pm$ 0.010	0.079 $\pm$ 0.010	0.040	0.031



### PAD LAYOUT

