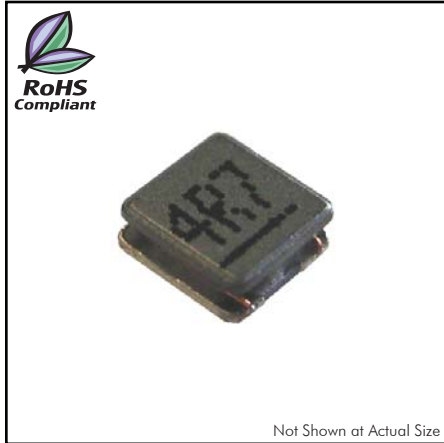


## CTLV3010SF Series

From 1.5 $\mu$ H to 47 $\mu$ 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 inductance 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.

CTLV3010SF-1R5\_ ← M =  $\pm 20\%$ , N =  $\pm 30\%$

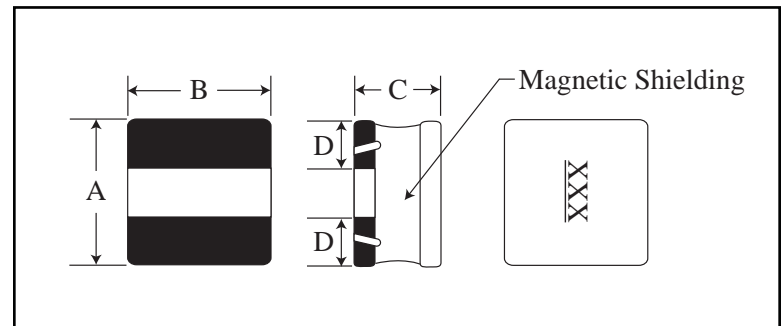
\*Isat: For inductance drop 30% from its value without current.

\*\*Irms: 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)	**Irms Typ.(Max.) (A)
CTLV3010SF-1R5_	1.5	1.0	0.085	1.80(1.62)	1.70(1.53)
CTLV3010SF-2R2_	2.2	1.0	0.100	1.50(1.35)	1.40(1.26)
CTLV3010SF-4R7_	4.7	1.0	0.205	1.00(0.90)	0.95(0.85)
CTLV3010SF-6R8_	6.8	1.0	0.310	0.87(0.78)	0.85(0.76)
CTLV3010SF-100_	10	1.0	0.430	0.64(0.57)	0.63(0.56)
CTLV3010SF-150_	15	1.0	0.625	0.56(0.50)	0.55(0.49)
CTLV3010SF-220_	22	1.0	0.870	0.47(0.42)	0.46(0.41)
CTLV3010SF-470_	47	1.0	1.75	0.29(0.26)	0.28(0.25)

### PHYSICAL DIMENSIONS

Size	A	B	C	D
			Max.	
mm	3.0 $\pm$ 0.20	3.0 $\pm$ 0.20	1.02	1.0
inches	0.118 $\pm$ 0.008	0.118 $\pm$ 0.008	0.040	0.039



### PAD LAYOUT

