

## CTLV4015SF Series

From 1.5 $\mu$ 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 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.

CTLV4015SF-1R5\_ ← M =  $\pm 20\%$ , N =  $\pm 30\%$

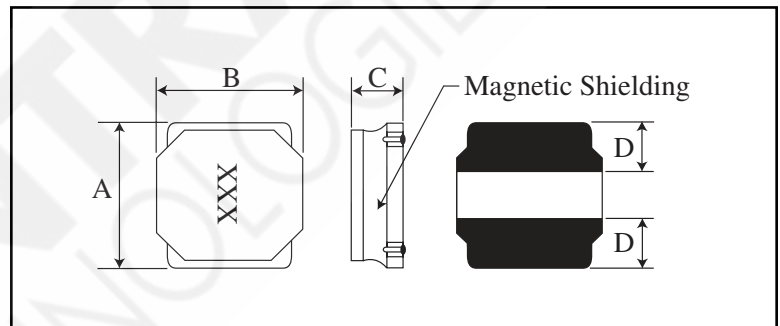
\*Isat: For inductance drop 30% from its value without current.

\*\*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)
CTLV4015SF-1R5_	1.5	1.0	0.041	3.00(2.70)	3.2(2.88)
CTLV4015SF-2R2_	2.2	1.0	0.054	2.30(2.07)	2.60(2.34)
CTLV4015SF-4R7_	4.7	1.0	0.100	1.60(1.44)	1.80(1.62)
CTLV4015SF-6R8_	6.8	1.0	0.138	1.40(1.26)	1.60(1.44)
CTLV4015SF-100_	10	1.0	0.200	1.00(0.90)	1.20(1.08)
CTLV4015SF-150_	15	1.0	0.300	0.92(0.82)	1.05(0.94)
CTLV4015SF-220_	22	1.0	0.400	0.72(0.64)	0.85(0.76)

### PHYSICAL DIMENSIONS

Size	A	B	C	D
mm	4.0 $\pm$ 0.25	4.0 $\pm$ 0.25	1.5 $\pm$ 0.2	1.3
inches	0.157 $\pm$ 0.010	0.157 $\pm$ 0.010	0.059 $\pm$ 0.008	0.051



### PAD LAYOUT

Unit: mm

