

## CTLV8040SF Series

From 4.7 $\mu$ 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 100kHz, 1V
- 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.**

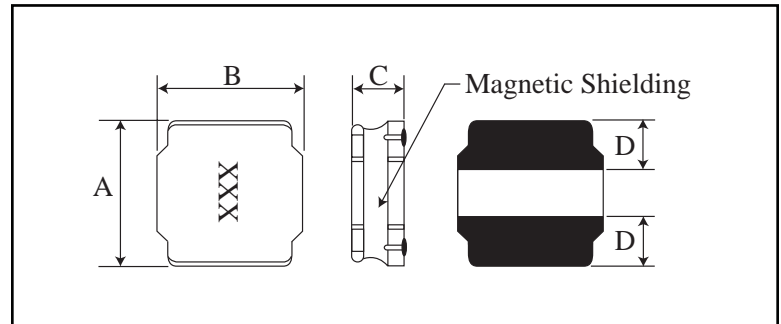
### SPECIFICATIONS

Please specify inductance tolerance code when ordering.  
 CTLV8040SF-4R7\_ ← 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. (kHz)	DCR $\pm 30\%$ ( $\Omega$ )	*Isat Typ.(Max.) (A)	**Irms Typ.(Max.) (A)
CTLV8040SF-4R7_	4.7	100	0.020	6.8(6.12)	5.5(4.95)
CTLV8040SF-100_	10	100	0.038	5.0(4.50)	3.8(3.42)
CTLV8040SF-150_	15	100	0.057	4.0(3.60)	3.2(2.88)
CTLV8040SF-220_	22	100	0.082	3.4(3.06)	2.7(2.43)

### PHYSICAL DIMENSIONS

Size	A	B	C	D
mm	8.0 $\pm$ 0.20	8.0 $\pm$ 0.20	4.0 $\pm$ 0.2, -0.30	2.3 $\pm$ 0.3
inches	0.315 $\pm$ 0.008	0.315 $\pm$ 0.008	0.157 $\pm$ 0.008, -0.012	0.091 $\pm$ 0.012



### PAD LAYOUT

Unit: mm

