

## CTLV4012SF Series

From 3.3 $\mu$ H to 10 $\mu$ H

### SPECIFICATIONS

Please specify inductance tolerance code when ordering.

CTLV4012SF-3R3\_ ← 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)
CTLV4012SF-3R3_	3.3	1.0	0.072	1.52(1.36)	2.10(1.89)
CTLV4012SF-100_	10	1.0	0.190	0.90(0.81)	1.20(1.08)



### 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.

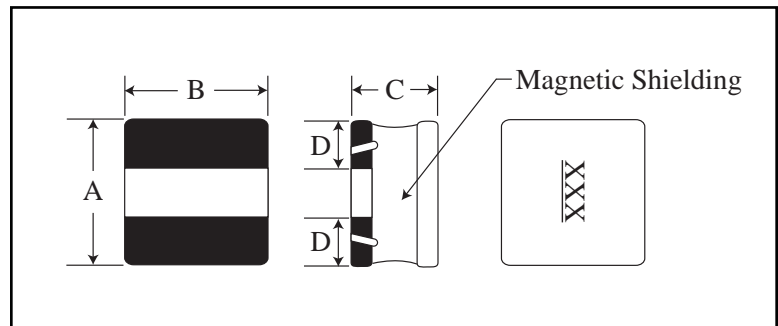
**Miscellaneous:** **RoHS Compliant.**

**Additional Information:** Additional electrical & physical information available upon request.

**Samples available. See website for ordering information.**

### PHYSICAL DIMENSIONS

Size	A	B	C	D
mm	4.0 $\pm$ 0.20	4.0 $\pm$ 0.20	1.2 $\pm$ 0.1	1.5
inches	0.157 $\pm$ 0.008	0.157 $\pm$ 0.008	0.047 $\pm$ 0.004	0.059



### PAD LAYOUT

Unit: mm

