

## CTLVH2012F Series

From 4.7 $\mu$ H to 22 $\mu$ H

### SPECIFICATIONS

Please specify inductance tolerance code when ordering.

CTLVH2012F-4R7\_ ← M =  $\pm 20\%$ , N =  $\pm 30\%$

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

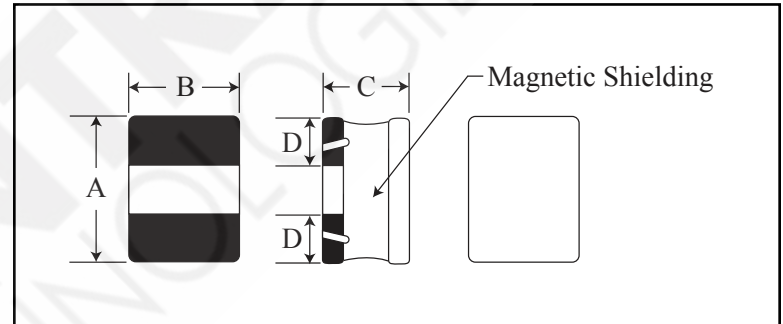
\*\*Irms: For a 40°C temperature rise above 25°C ambient with current

Part Number	Inductance ( $\mu$ H)	L Test Freq. (MHz)	SRF Min. (MHz)	DCR (m $\Omega$ ) Max.	*Isat (A) (Max.) Typ.	**Irms (A) (Max.) Typ.
CTLVH2012F-4R7_	4.7	1.0	26	324	1.20(1.40)	1.00(1.20)
CTLVH2012F-6R8_	6.8	1.0	20	456	1.00(1.20)	0.78(0.92)
CTLVH2012F-100_	10	1.0	16	720	0.85(0.95)	0.65(0.73)
CTLVH2012F-220_	22	1.0	10	1500	0.57(0.64)	0.41(0.46)



### PHYSICAL DIMENSIONS

Size	A	B	C Max.	D
mm	2.0 $\pm$ 0.2	1.6 $\pm$ 0.2	1.2	0.50
inches	0.079 $\pm$ 0.008	0.063 $\pm$ 0.008	0.047	0.020



### CHARACTERISTICS

**Description:** SMD shielded power inductor

**Applications:** Smartphones, tablets, wearable devices, DSC, camcorders, DC/DC converters

**Operating Temperature:** -40°C to 125°C (Including self-temperature rise)

**Inductance Tolerance:**  $\pm 20\%$ ,  $\pm 30\%$

**Testing:** Inductance is tested on an HP4285A+HP42841A at 1MHz, 200mV

**Packaging:** Tape & Reel

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

Samples available. See website for ordering information.

### PAD LAYOUT

Unit: mm

