

CTLVH2012F Series

From 4.7 μ H to 22 μ 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

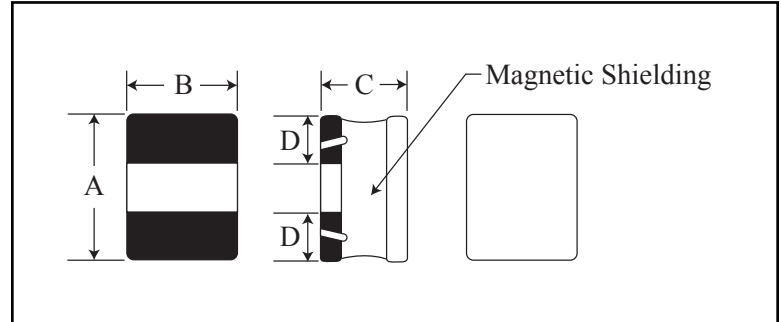
**Irms: For a 40°C temperature rise above 25°C ambient with current

Part Number	Inductance (μ H)	L Test Freq. (MHz)	SRF Min. (MHz)	DCR (m Ω) (Max.) Typ.	*Isat (A) (Max.) Typ.	**Irms (A) (Max.) Typ.
CTLVH2012F-4R7_	4.7	1.0	26	324(270)	1.20(1.40)	1.00(1.20)
CTLVH2012F-6R8_	6.8	1.0	20	456(380)	1.00(1.20)	0.78(0.92)
CTLVH2012F-100_	10	1.0	16	720(600)	0.85(0.95)	0.65(0.73)
CTLVH2012F-220_	22	1.0	10	1500(1250)	0.57(0.64)	0.41(0.46)



PHYSICAL DIMENSIONS

Size	A	B	C	D
			Max.	
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

