

CTLVH2010F Series

From 4.7μH to 22μH

SPECIFICATIONS

Please specify inductance tolerance code when ordering.

CTLVH2010F-4R7_ ← M = ±20%, N = ±30%

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

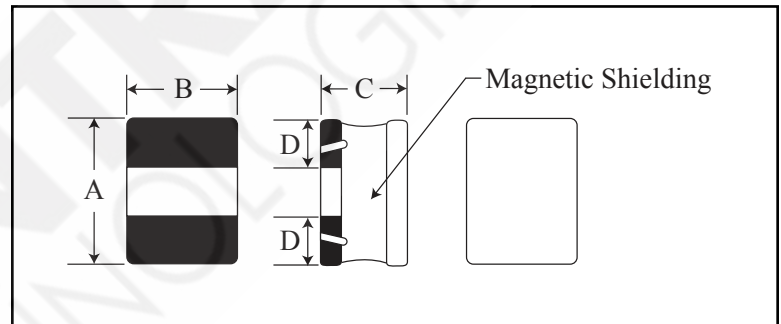
**Irms: For a 40°C temperature rise above 25°C ambient with current

Part Number	Inductance (μH)	L Test Freq. (MHz)	SRF Min. (MHz)	DCR (mΩ) Max.	*Isat (A) (Max.) Typ.	**Irms (A) (Max.) Typ.
CTLVH2010F-4R7_	4.7	1.0	25	370	1.00(1.20)	0.86(0.96)
CTLVH2010F-6R8_	6.8	1.0	19	526	0.86(0.96)	0.73(0.82)
CTLVH2010F-100_	10	1.0	15	768	0.70(0.78)	0.64(0.72)
CTLVH2010F-220_	22	1.0	9	1560	0.49(0.55)	0.40(0.45)



PHYSICAL DIMENSIONS

Size	A	B	C Max.	D
mm	2.0±0.2	1.6±0.2	1.0	0.65
inches	0.079±0.008	0.063±0.008	0.039	0.026



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: ±20%, ±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

