

CTLVH2010F Series

From 4.7 μ H to 22 μ H



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.

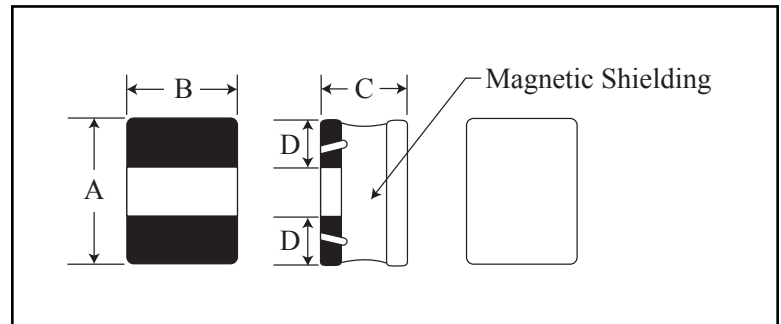
SPECIFICATIONS

Please specify inductance tolerance code when ordering.
 CTLVH2010F-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.
CTLVH2010F-4R7_	4.7	1.0	25	370(308)	1.00(1.20)	0.86(0.96)
CTLVH2010F-6R8_	6.8	1.0	19	526(438)	0.86(0.96)	0.73(0.82)
CTLVH2010F-100_	10	1.0	15	768(640)	0.70(0.78)	0.64(0.72)
CTLVH2010F-220_	22	1.0	9	1560(1300)	0.49(0.55)	0.40(0.45)

PHYSICAL DIMENSIONS

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



PAD LAYOUT

