

CTLVH3012F Series

From 1.0μH to 22μH



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)
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.

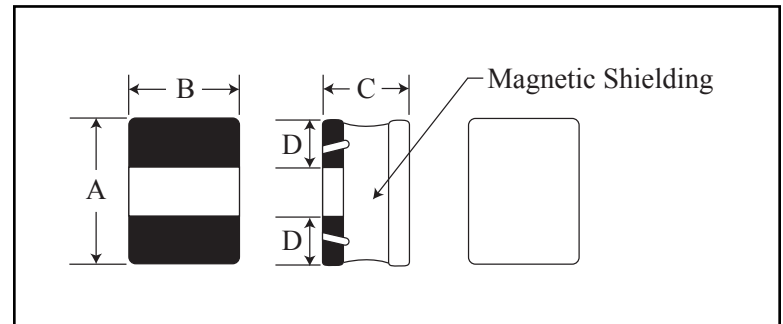
SPECIFICATIONS

Please specify inductance tolerance code when ordering.
 CTLVH3012F-1R0_ ← 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.) Typ.	*Isat (A) (Max.) Typ.	**Irms (A) (Max.) Typ.
CTLVH3012F-1R0_	1.0	1.0	52	64(54)	4.8(5.4)	2.7(3.0)
CTLVH3012F-2R2_	2.2	1.0	28	114(95)	3.3(3.7)	2.0(2.3)
CTLVH3012F-3R3_	3.3	1.0	25	165(138)	2.7(3.0)	1.7(1.9)
CTLVH3012F-4R7_	4.7	1.0	20	234(195)	2.2(2.5)	1.3(1.5)
CTLVH3012F-6R8_	6.8	1.0	16	318(265)	1.8(2.1)	1.1(1.3)
CTLVH3012F-100_	10	1.0	12	444(370)	1.5(1.7)	1.0(1.15)
CTLVH3012F-220_	22	1.0	7	954(795)	1.0(1.2)	0.63(0.7)

PHYSICAL DIMENSIONS

Size	A	B	C	D
			Max.	
mm	3.0±0.2	2.7±0.2	1.2	1.00
inches	0.118±0.008	0.11±0.008	0.047	0.039



PAD LAYOUT

