

CTLVH2512F Series

From 3.3μH 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 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.

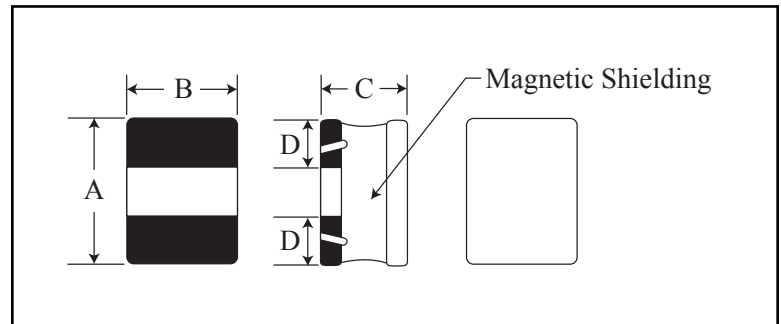
SPECIFICATIONS

Please specify inductance tolerance code when ordering.
 CTLVH2512F-3R3 ← 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.
CTLVH2512F-3R3_	3.3	1.0	25	186(155)	1.80(2.10)	1.45(1.65)
CTLVH2512F-4R7_	4.7	1.0	23	240(200)	1.70(1.90)	1.30(1.50)
CTLVH2512F-6R8_	6.8	1.0	16	345(285)	1.30(1.60)	1.00(1.20)
CTLVH2512F-100_	10	1.0	14	480(400)	1.00(1.30)	0.85(1.00)
CTLVH2512F-220_	22	1.0	8	1090(910)	0.74(0.83)	0.54(0.60)

PHYSICAL DIMENSIONS

Size	A	B	C	D
			Max.	
mm	2.5±0.2	2.0±0.2	1.2	0.85
inches	0.098±0.008	0.079±0.008	0.047	0.033



PAD LAYOUT

