

CTLVH2510F Series

From 1.5 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.

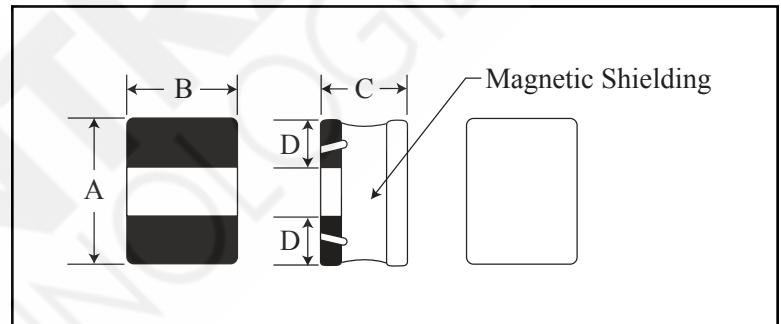
SPECIFICATIONS

Please specify inductance tolerance code when ordering.
 CTLVH2510F-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.	*Isat (A) (Max.) Typ.	**Irms (A) (Max.) Typ.
CTLVH2510F-1R5_	1.5	1.0	40	111.6	2.20(2.80)	1.80(1.95)
CTLVH2510F-2R2_	2.2	1.0	31	145	1.90(2.30)	1.70(1.90)
CTLVH2510F-3R3_	3.3	1.0	24	198	1.40(1.60)	1.20(1.40)
CTLVH2510F-4R7_	4.7	1.0	19	264	1.30(1.40)	1.10(1.20)
CTLVH2510F-6R8_	6.8	1.0	15	396	1.00(1.10)	0.90(1.00)
CTLVH2510F-100_	10	1.0	12	500	0.90(1.00)	0.80(0.90)
CTLVH2510F-220_	22	1.0	8	1260	0.56(0.63)	0.45(0.50)

PHYSICAL DIMENSIONS

Size	A	B	C	D
			Max.	
mm	2.5 \pm 0.2	2.0 \pm 0.2	1.0	0.85
inches	0.098 \pm 0.008	0.079 \pm 0.008	0.039	0.033



PAD LAYOUT

Unit: mm

