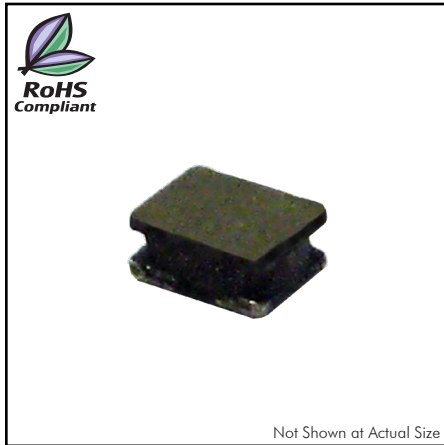


CTLVH2510F Series

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.

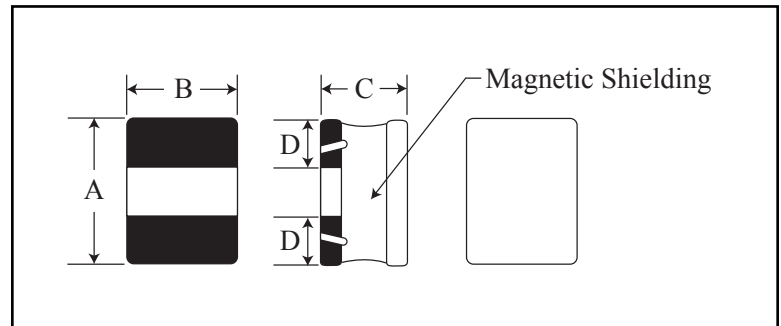
SPECIFICATIONS

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
 **I_{rms}: 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. | **I _{rms} (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

