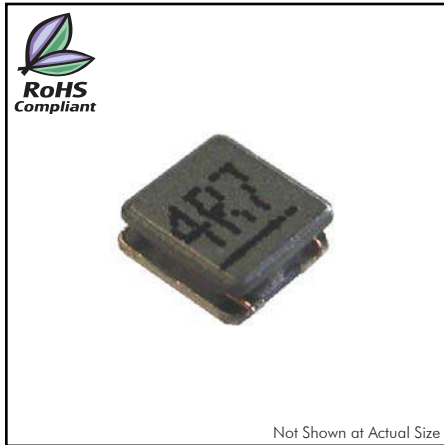


CTLV3010SF Series

From 1.5 μ H to 47 μ H



CHARACTERISTICS

- Description:** SMD power inductors sealed with magnetic resin.
- Applications:** Smart phones, DSC, Tablet PC's, DC/DC converters, etc.
- Operating Temperature:** -55°C to +125°C (including self - temperature rise)
- Inductance Tolerance:** $\pm 20\%$, $\pm 30\%$
- Testing:** Inductance is tested on an HP4284A at 1.0MHz, 200mV
- Packaging:** Tape & Reel.
- Marking:** Parts are marked with inductance code.
- Miscellaneous:** **RoHS Compliant.**
- Additional Information:** Additional electrical & physical information available upon request.
- Samples available. See website for ordering information.**

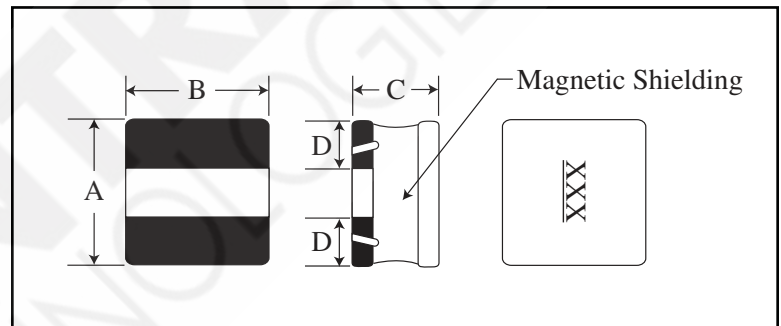
SPECIFICATIONS

Please specify inductance tolerance code when ordering.
 CTLV3010SF-1R5_ ← M = $\pm 20\%$, N = $\pm 30\%$
 *Isat: For inductance drop 30% from its value without current.
 **I_{rms}: For a 40°C rise above 25°C ambient.

| Part Number | Inductance (μ H) | L Test Freq. (MHz) | DCR $\pm 30\%$ (Ω) | *Isat Typ.(Max.) (A) | **I _{rms} Typ.(Max.) (A) |
|-----------------|-----------------------|--------------------|-----------------------------|----------------------|-----------------------------------|
| CTLV3010SF-1R5_ | 1.5 | 1.0 | 0.085 | 1.80(1.62) | 1.70(1.53) |
| CTLV3010SF-2R2_ | 2.2 | 1.0 | 0.100 | 1.50(1.35) | 1.40(1.26) |
| CTLV3010SF-4R7_ | 4.7 | 1.0 | 0.205 | 1.00(0.90) | 0.95(0.85) |
| CTLV3010SF-6R8_ | 6.8 | 1.0 | 0.310 | 0.87(0.78) | 0.85(0.76) |
| CTLV3010SF-100_ | 10 | 1.0 | 0.430 | 0.64(0.57) | 0.63(0.56) |
| CTLV3010SF-150_ | 15 | 1.0 | 0.625 | 0.56(0.50) | 0.55(0.49) |
| CTLV3010SF-220_ | 22 | 1.0 | 0.870 | 0.47(0.42) | 0.46(0.41) |
| CTLV3010SF-470_ | 47 | 1.0 | 1.75 | 0.29(0.26) | 0.28(0.25) |

PHYSICAL DIMENSIONS

| Size | A | B | C | D |
|--------|-------------------|-------------------|-------|-------|
| | | | Max. | |
| mm | 3.0 \pm 0.20 | 3.0 \pm 0.20 | 1.02 | 1.0 |
| inches | 0.118 \pm 0.008 | 0.118 \pm 0.008 | 0.040 | 0.039 |



PAD LAYOUT

