

CTLV3012SF Series

From 2.2 μ H to 22 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.**

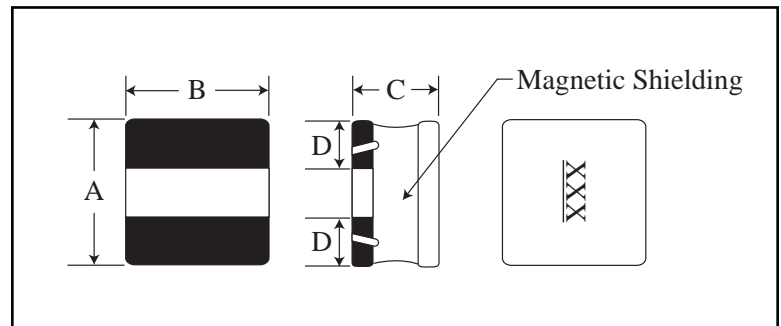
SPECIFICATIONS

Please specify inductance tolerance code when ordering.
 CTLV3012SF-2R2_ ← 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)
CTLV3012SF-2R2_	2.2	1.0	0.092	2.10(1.89)	2.00(1.80)
CTLV3012SF-3R3_	3.3	1.0	0.13	1.84(1.65)	1.80(1.62)
CTLV3012SF-4R7_	4.7	1.0	0.18	1.56(1.40)	1.52(1.36)
CTLV3012SF-6R8_	6.8	1.0	0.25	1.32(1.18)	1.30(1.17)
CTLV3012SF-100_	10	1.0	0.42	1.06(0.95)	1.00(0.90)
CTLV3012SF-150_	15	1.0	0.56	0.82(0.73)	0.80(0.72)
CTLV3012SF-220_	22	1.0	0.86	0.64(0.57)	0.62(0.55)

PHYSICAL DIMENSIONS

Size	A	B	C	D
mm	3.0 \pm 0.20	3.0 \pm 0.20	Max. 1.2	1.0
inches	0.118 \pm 0.008	0.118 \pm 0.008	0.047	0.039



PAD LAYOUT

