

CTLV8040SF Series

From 4.7 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 100kHz, 1V
- 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.**

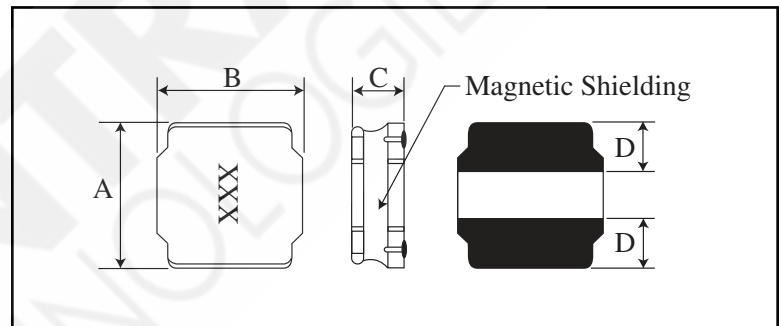
SPECIFICATIONS

Please specify inductance tolerance code when ordering.
 CTLV8040SF-4R7_ ← M = $\pm 20\%$, N = $\pm 30\%$
 *Isat: For inductance drop 30% from its value without current.
 **Irms: For a 40°C rise above 25°C ambient.

Part Number	Inductance (μ H)	L Test Freq. (kHz)	DCR $\pm 30\%$ (Ω)	*Isat Typ.(Max.) (A)	**Irms Typ.(Max.) (A)
CTLV8040SF-4R7_	4.7	100	0.020	6.8(6.12)	5.5(4.95)
CTLV8040SF-100_	10	100	0.038	5.0(4.50)	3.8(3.42)
CTLV8040SF-150_	15	100	0.057	4.0(3.60)	3.2(2.88)
CTLV8040SF-220_	22	100	0.082	3.4(3.06)	2.7(2.43)

PHYSICAL DIMENSIONS

Size	A	B	C	D
mm	8.0 \pm 0.20	8.0 \pm 0.20	4.0 \pm 0.2, -0.30	2.3 \pm 0.3
inches	0.315 \pm 0.008	0.315 \pm 0.008	0.157 \pm 0.008, -0.012	0.091 \pm 0.012



PAD LAYOUT

Unit: mm

