

CTLV6028SF Series

From 1.0 μ H to 6.8 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 100Hz, 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.

CTLV6028SF-1R0_ ← M = $\pm 20\%$, N = $\pm 30\%$

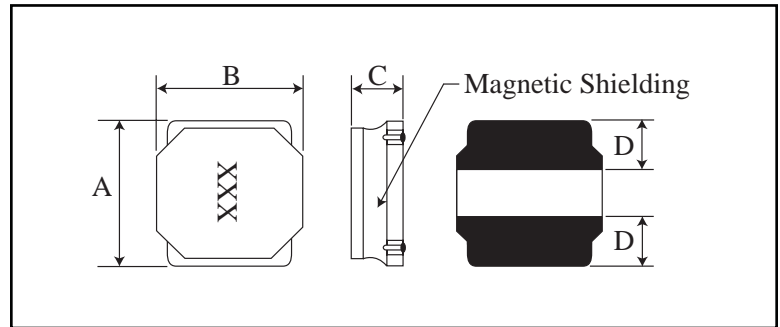
*Isat: For inductance drop 30% from its value without current.

**I_{rms}: For a 40°C rise above 25°C ambient.

Part Number	Inductance (μ H)	L Test Freq. (kHz)	DCR $\pm 30\%$ (Ω)	*Isat Typ.(Max.) (A)	**I _{rms} Typ.(Max.) (A)
CTLV6028SF-1R0_	1.0	100	0.012	7.9(7.11)	6.3(5.67)
CTLV6028SF-1R5_	1.5	100	0.015	7.0(6.30)	5.5(4.95)
CTLV6028SF-2R2_	2.2	100	0.020	6.0(5.40)	5.0(4.50)
CTLV6028SF-4R7_	4.7	100	0.036	4.0(3.60)	3.4(3.06)
CTLV6028SF-6R8_	6.8	100	0.048	3.2(2.88)	3.0(2.70)

PHYSICAL DIMENSIONS

Size	A	B	C	D
mm	6.0 \pm 0.20	6.0 \pm 0.20	2.8 \pm 0.2	1.9 \pm 0.3
inches	0.236 \pm 0.008	0.236 \pm 0.008	0.110 \pm 0.008	0.075 \pm 0.012



PAD LAYOUT

Unit: mm

