

## CTLV6028SF Series

From 1.0 $\mu$ H to 6.8 $\mu$ 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.**

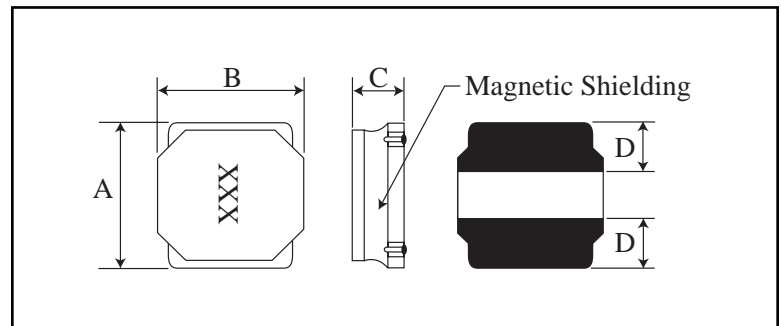
### SPECIFICATIONS

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<sub>rms</sub>: For a 40°C rise above 25°C ambient.

Part Number	Inductance ( $\mu$ H)	L Test Freq. (kHz)	DCR $\pm 30\%$ ( $\Omega$ )	*Isat Typ.(Max.) (A)	**I <sub>rms</sub> 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

