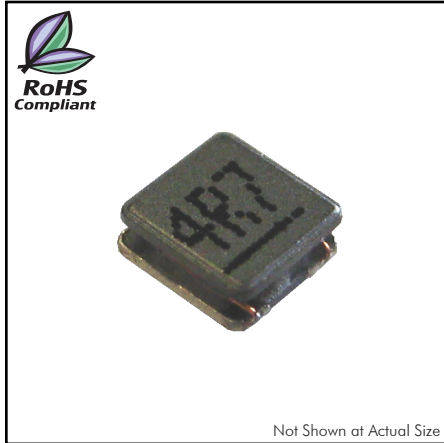


## CTLV3015SF Series

From 0.47µH to 100µH



### 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:** ±20%, ±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.**

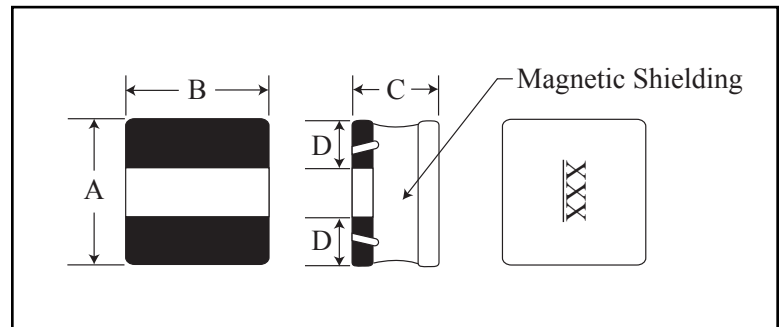
### SPECIFICATIONS

Please specify inductance tolerance code when ordering.  
 CTLV3015SF-R47\_ ← M = ±20%, N = ±30%  
 \*Isat: For inductance drop 30% from its value without current.  
 \*\*Irms: For a 40°C rise above 25°C ambient.

Part Number	Inductance (µH)	L Test Freq. (MHz)	DCR ±30% (Ω)	*Isat Typ.(Max.) (A)	**Irms Typ.(Max.) (A)
CTLV3015SF-R47_	0.47	1.0	0.036	4.7(4.23)	4.0(3.60)
CTLV3015SF-1R0_	1.0	1.0	0.054	3.4(3.06)	3.0(2.70)
CTLV3015SF-1R5_	1.5	1.0	0.063	3.0(2.70)	2.6(2.34)
CTLV3015SF-2R2_	2.2	1.0	0.090	2.3(2.07)	2.0(1.80)
CTLV3015SF-3R3_	3.3	1.0	0.125	1.9(1.71)	1.80(1.62)
CTLV3015SF-4R7_	4.7	1.0	0.170	1.58(1.42)	1.52(1.36)
CTLV3015SF-6R8_	6.8	1.0	0.235	1.34(1.20)	1.30(1.17)
CTLV3015SF-100_	10	1.0	0.360	1.06(0.95)	1.00(0.90)
CTLV3015SF-150_	15	1.0	0.550	0.90(0.81)	0.80(0.72)
CTLV3015SF-220_	22	1.0	0.770	0.76(0.68)	0.65(0.58)
CTLV3015SF-330_	33	1.0	0.930	0.65(0.58)	0.60(0.54)
CTLV3015SF-470_	47	1.0	1.500	0.52(0.46)	0.42(0.37)
CTLV3015SF-101_	100	1.0	2.700	0.36(0.32)	0.3(0.27)

### PHYSICAL DIMENSIONS

Size	A	B	C	D
			Max.	
mm	3.0±0.20	3.0±0.20	1.5	1.0
inches	0.118±0.008	0.118±0.008	0.059	0.039



### PAD LAYOUT

