

## CTLV4018SF Series

From 0.56µH to 22µH



### 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 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.

CTLV4018SF-R56\_ ← M = ±20%, N = ±30%

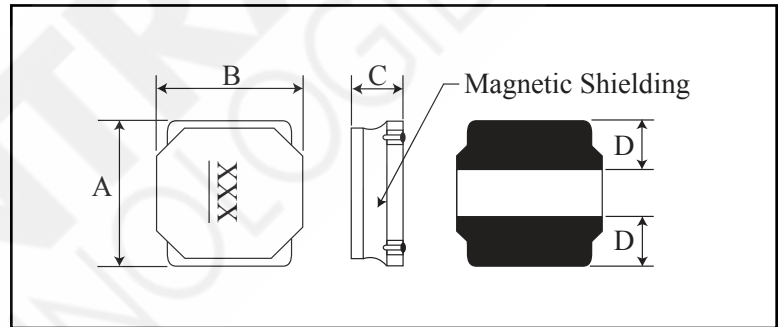
\*Isat: For inductance drop 30% from its value without current.

\*\*Irms: For a 40°C rise above 25°C ambient.

Part Number	Inductance (µH)	L Test Freq. (kHz)	DCR ±30% (Ω)	*Isat Typ.(Max.) (A)	**Irms Typ.(Max.) (A)
CTLV4018SF-R56_	0.56	100	0.0220	5.7(5.10)	4.0(3.60)
CTLV4018SF-1R0_	1.0	100	0.0265	4.2(3.78)	3.8(3.42)
CTLV4018SF-1R5_	1.5	100	0.0370	3.5(3.15)	3.2(2.88)
CTLV4018SF-2R2_	2.2	100	0.0470	3.0(2.70)	2.7(2.43)
CTLV4018SF-3R3_	3.3	100	0.0625	2.3(2.07)	2.1(1.89)
CTLV4018SF-22_	22	100	0.3350	0.90(0.81)	0.88(0.79)

### PHYSICAL DIMENSIONS

Size	A	B	C	D
mm	4.0±0.20	4.0±0.20	Max. 1.9	Typ. 1.3
inches	0.157±0.008	0.157±0.008	0.075	0.051



### PAD LAYOUT

Unit: mm

