

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%

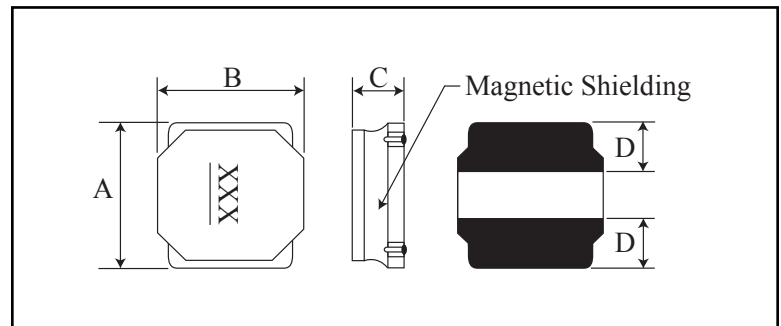
*Isat: For inductance drop 30% from its value without current.

**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

