

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%

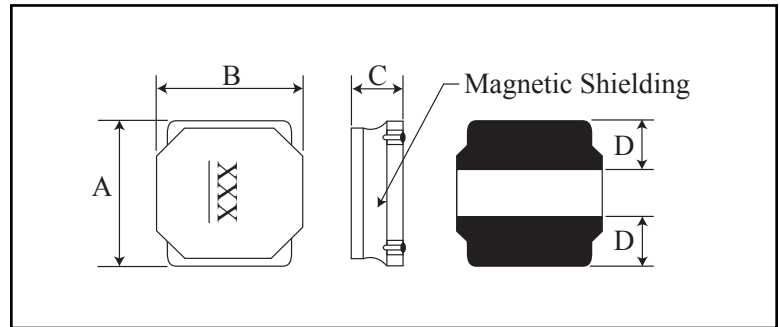
*Isat: For inductance drop 30% from its value without current.

**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

