

# CTLV4026SF Series

From 1.0 $\mu$ H to 330 $\mu$ H



## SPECIFICATIONS

Please specify inductance tolerance code when ordering.

CTLV4026SF-1R0\_ ← M =  $\pm 20\%$ , N =  $\pm 30\%$

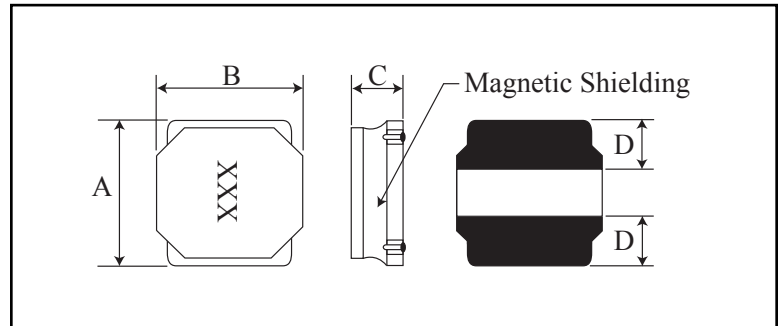
\*Isat: For inductance drop 30% from its value without current.

\*\*Irms: 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)	**Irms Typ.(Max.) (A)
CTLV4026SF-1R0_	1.0	100	0.030	5.00(4.50)	4.00(3.60)
CTLV4026SF-1R5_	1.5	100	0.035	4.20(3.78)	3.70(3.33)
CTLV4026SF-2R2_	2.2	100	0.045	3.80(3.42)	3.50(3.15)
CTLV4026SF-3R3_	3.3	100	0.067	3.00(2.70)	2.50(2.25)
CTLV4026SF-4R7_	4.7	100	0.092	2.60(2.34)	2.00(1.80)
CTLV4026SF-5R6_	5.6	100	0.110	2.30(2.07)	1.90(1.71)
CTLV4026SF-6R8_	6.8	100	0.130	2.00(1.80)	1.70(1.53)
CTLV4026SF-100_	10	100	0.188	1.90(1.71)	1.40(1.26)
CTLV4026SF-150_	15	100	0.240	1.45(1.30)	1.20(1.08)
CTLV4026SF-220_	22	100	0.330	1.22(1.09)	1.00(0.90)
CTLV4026SF-330_	33	100	0.480	1.00(0.90)	0.82(0.73)
CTLV4026SF-470_	47	100	0.735	0.88(0.79)	0.64(0.57)
CTLV4026SF-101_	100	100	1.380	0.58(0.52)	0.50(0.45)
CTLV4026SF-331_	330	100	4.600	0.31(0.27)	0.25(0.22)

## PHYSICAL DIMENSIONS

Size	A	B	C	D
mm	4.0 $\pm$ 0.20	4.0 $\pm$ 0.25	2.6 $\pm$ 0.2	1.4
inches	0.157 $\pm$ 0.008	0.157 $\pm$ 0.010	0.102 $\pm$ 0.008	0.055



## 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 HP4285A 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.**

## PAD LAYOUT

Unit: mm

