

CTLVC4012F Series

From 1.0 μ H to 47 μ H



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 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.**

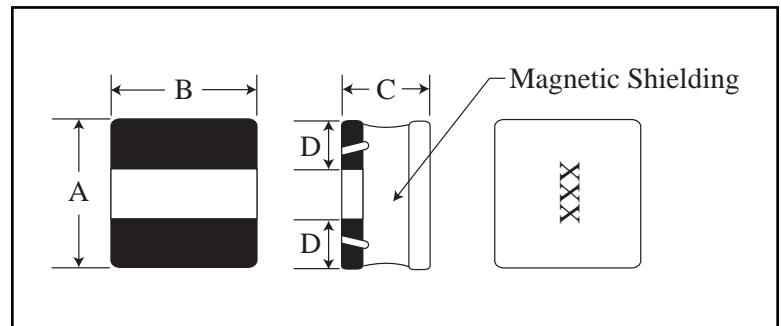
SPECIFICATIONS

Please specify inductance tolerance code when ordering.
 CTLVC4012F-3R3_ ← M = $\pm 20\%$, N = $\pm 30\%$
 *Isat: DC current (A) that will cause L to drop approximately 30%.
 **Irms: DC current (A) that will cause an approximate ΔT of 40°C.

Part Number	Inductance (μ H)	L Test Freq. (kHz)	DCR $\pm 30\%$ (m Ω)	*Isat Typ.(Max.) (A)	**Irms Typ.(Max.) (A)
CTLVC4012F-1R0N	1.0	100	48	2.50(2.25)	1.70(1.53)
CTLVC4012F-1R5N	1.5	100	58	2.10(1.89)	1.60(1.44)
CTLVC4012F-2R2_	2.2	100	65	1.70(1.53)	1.50(1.35)
CTLVC4012F-3R3_	3.3	100	90	1.30(1.17)	1.40(1.26)
CTLVC4012F-4R7_	4.7	100	110	1.10(0.99)	1.20(1.08)
CTLVC4012F-6R8_	6.8	100	135	0.90(0.81)	1.05(0.94)
CTLVC4012F-100_	10	100	190	0.78(0.70)	0.90(0.81)
CTLVC4012F-150_	15	100	250	0.65(0.58)	0.85(0.76)
CTLVC4012F-220_	22	100	400	0.52(0.46)	0.75(0.67)
CTLVC4012F-330_	33	100	600	0.44(0.39)	0.70(0.63)
CTLVC4012F-470_	47	100	930	0.35(0.31)	0.50(0.45)

PHYSICAL DIMENSIONS

Size	A	B	C	D
mm	4.0 \pm 0.20	4.0 \pm 0.20	1.2 \pm 0.1	1.5
inches	0.157 \pm 0.008	0.157 \pm 0.008	0.047 \pm 0.004	0.059



PAD LAYOUT

