

CTPCI7045F Series

From 1.0 μ H to 470 μ H



SPECIFICATIONS

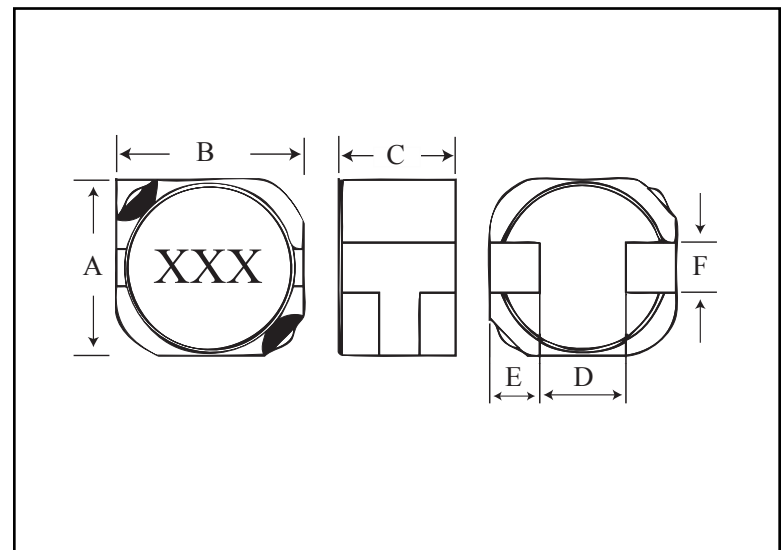
Part numbers indicate available inductance tolerance.
M = $\pm 20\%$, N = $\pm 30\%$

*Isat for inductance drop 30% from its value without current.
**I_{rms} for a 40°C temperature rise from 25°C ambient.
The actual current is suggested not to be out of Isat 80%.

Part Number	Inductance (μ H)	Test Freq. (kHz)	DCR Max. (Ω)	Isat (A) Typ. (Max.)	I _{rms} (A)
CTPCI7045F-1R0N	1.0	100	0.0117	9.3(7.6)	6.5
CTPCI7045F-1R5N	1.5	100	0.013	7.8(6.2)	5.4
CTPCI7045F-2R2N	2.2	100	0.0169	7.3(6.0)	5.1
CTPCI7045F-3R3N	3.3	100	0.0208	5.8(4.6)	4.8
CTPCI7045F-4R7N	4.7	100	0.0234	4.8(4.0)	4.1
CTPCI7045F-6R8N	6.8	100	0.0264	3.6(3.0)	3.9
CTPCI7045F-100M	10	100	0.0396	3.2(2.6)	3.1
CTPCI7045F-150M	15	100	0.066	2.4(2.0)	2.6
CTPCI7045F-220M	22	100	0.0828	2.1(1.6)	2.2
CTPCI7045F-330M	33	100	0.116	1.6(1.3)	1.8
CTPCI7045F-470M	47	100	0.156	1.3(1.1)	1.7
CTPCI7045F-680M	68	100	0.204	1.08(0.95)	1.5
CTPCI7045F-101M	100	100	0.312	0.9(0.8)	1.05
CTPCI7045F-151M	150	100	0.516	0.8(0.65)	0.95
CTPCI7045F-221M	220	100	0.66	0.7(0.54)	0.75
CTPCI7045F-331M	330	100	0.96	0.55(0.45)	0.58
CTPCI7045F-471M	470	100	1.44	0.45(0.37)	0.46

PHYSICAL DIMENSIONS

Size	A	B	C	D	E	F
mm	7.0 \pm 0.2	7.4 \pm 0.2	4.5 \pm 0.3	3.4	2.0 \pm 0.1	2.0 \pm 0.1
inches	0.28 \pm 0.008	0.29 \pm 0.008	0.18 \pm 0.012	0.13	0.08 \pm 0.004	0.08 \pm 0.004



CHARACTERISTICS

- Description:** SMD shielded power inductor
- Applications:** Thin-screen TV's, LCD's, AV equipment, STB's, LED lights, industrial equipment
- Operating Temperature:** -40°C to +105°C (including self-temperature rise)
- Inductance Tolerance:** $\pm 20\%$, $\pm 30\%$
- Testing:** Inductance is tested on a HP4284A at 100kHz, 1V
- Marking:** Parts are marked with the inductance code
- Packaging:** Tape & Reel
- Miscellaneous:** RoHS Compliant
- Additional Information:** Additional electrical & physical information available upon request
- Samples available. See website for ordering information.**

PAD LAYOUT

