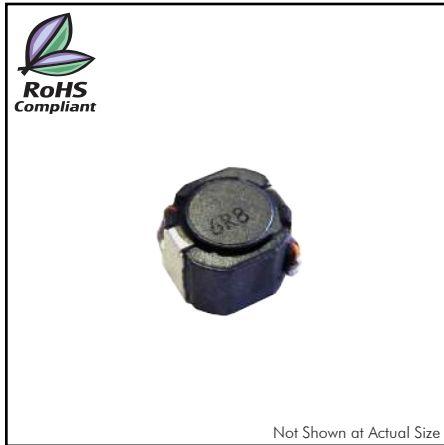


## CTPCI6045F Series

From 1.0 $\mu$ H to 470 $\mu$ H



### SPECIFICATIONS

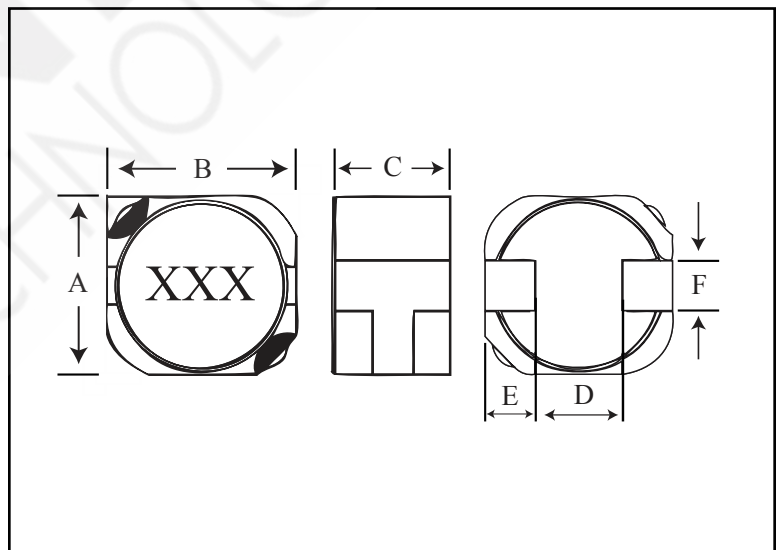
Part numbers indicate available inductance tolerance.  
M =  $\pm 20\%$ , N =  $\pm 30\%$

\*Isat for inductance drop 30% from its value without current.  
\*\*Irms 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 ( $\mu$ H)	Test Freq. (kHz)	DCR Max. ( $\Omega$ )	*Isat (A) Typ. (Max.)	**Irms (A)
CTPCI6045F-1R0N	1.0	100	0.0143	6.7(6.0)	4.8
CTPCI6045F-1R5N	1.5	100	0.0169	5.5(5.2)	4.5
CTPCI6045F-2R2N	2.2	100	0.0195	4.2(3.6)	4.1
CTPCI6045F-3R3N	3.3	100	0.0247	3.5(3.2)	3.7
CTPCI6045F-4R7N	4.7	100	0.0299	3.1(2.5)	3.3
CTPCI6045F-6R8N	6.8	100	0.0351	2.8(2.0)	3.1
CTPCI6045F-100M	10	100	0.042	2.1(1.7)	2.6
CTPCI6045F-150M	15	100	0.072	1.7(1.4)	2.0
CTPCI6045F-220M	22	100	0.09	1.4(1.1)	1.8
CTPCI6045F-330M	33	100	0.12	1.1(0.9)	1.6
CTPCI6045F-470M	47	100	0.156	0.97(0.78)	1.4
CTPCI6045F-680M	68	100	0.24	0.81(0.65)	1.1
CTPCI6045F-101M	100	100	0.384	0.61(0.55)	0.86
CTPCI6045F-151M	150	100	0.576	0.53(0.46)	0.72
CTPCI6045F-221M	220	100	0.864	0.47(0.36)	0.57
CTPCI6045F-331M	330	100	1.104	0.36(0.28)	0.49
CTPCI6045F-471M	470	100	1.56	0.28(0.25)	0.41

### PHYSICAL DIMENSIONS

Size	A	B	C	D	E	F
mm	6.0 $\pm$ 0.2	6.3 $\pm$ 0.2	4.6 $\pm$ 0.3	2.9	1.7 $\pm$ 0.1	2.0 $\pm$ 0.1
inches	0.24 $\pm$ 0.008	0.25 $\pm$ 0.008	0.18 $\pm$ 0.012	0.11	0.07 $\pm$ 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

