

## CTHCCI1090F Series

From .22µH to 10µH



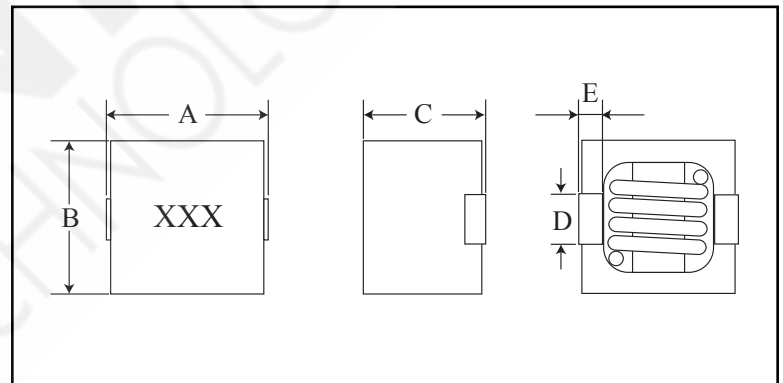
### SPECIFICATIONS

Parts are available in ±20% inductance tolerance only.  
 \*Isat for inductance drop 20% from its value without current.  
 \*\*Irms for 40°C temperature rise from 25°C ambient with current.

Part Number	Inductance (µH)	Test Freq. (kHz)	DCR Max. (mΩ)	*Isat Max. (A)	**Irms Max. (A)	Marking
CTHCCH1090F-R22M	0.22	100	1.60	55	22	R22
CTHCCH1090F-R33M	0.33	100	1.60	42	22	R33
CTHCCH1090F-R47M	0.47	100	1.85	36	20	R47
CTHCCH1090F-R56M	0.56	100	1.85	32	20	R56
CTHCCH1090F-R68M	0.68	100	2.65	28	17	R68
CTHCCH1090F-R82M	0.82	100	2.65	24	17	R82
CTHCCH1090F-1R0M	1.0	100	2.65	21	17	1R0
CTHCCH1090F-1R5M	1.5	100	4.00	17	13.5	1R5
CTHCCH1090F-2R2M	2.2	100	5.30	14	12	2R2
CTHCCH1090F-3R3M	3.3	100	7.70	10	11	3R3
CTHCCH1090F-4R7M	4.7	100	10.8	8.5	10	4R7
CTHCCH1090F-6R8M	6.8	100	16.9	7.0	9	6R8
CTHCCH1090F-8R2M	8.2	100	16.9	6.0	9	8R2
CTHCCH1090F-100M	10	100	26.0	5.0	7	100

### PHYSICAL DIMENSIONS

Size	A	B	C	D	E
	Max.	Max.	Max.		
mm	11.3	10.4	9.7	3.0±0.2	1.6±0.2
inches	0.445	0.409	0.382	0.118±0.008	0.063±0.008



### CHARACTERISTICS

**Description:** SMD shielded power inductors  
**Applications:** Graphic card, PC's, servers, and a variety of DC/DC converter applications  
**Operating Temperature:** -40°C to +125°C (including self-temperature rise)  
**Inductance Tolerance:** ±20%  
**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

