

CTHCCI1210F Series

From .22µH to 10µH



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.**

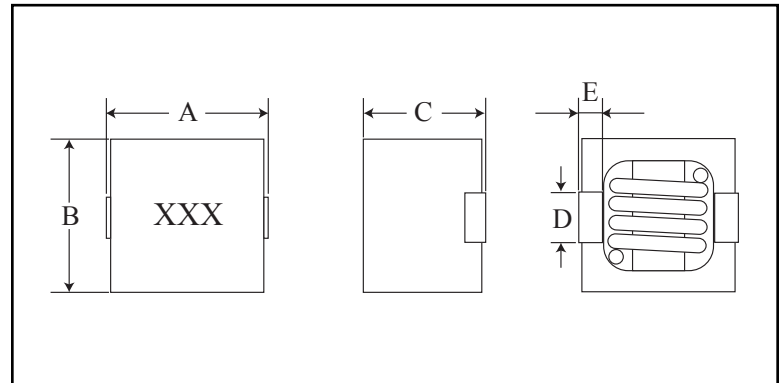
SPECIFICATIONS

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
CTHCCH1210F-R22M	0.22	100	1.5	55	37	R22
CTHCCH1210F-R33M	0.33	100	1.5	45	37	R33
CTHCCH1210F-R47M	0.47	100	1.8	45	35	R47
CTHCCH1210F-R56M	0.56	100	1.8	35	35	R56
CTHCCH1210F-R68M	0.68	100	1.8	33	35	R68
CTHCCH1210F-R82M	0.82	100	2.4	31	30	R82
CTHCCH1210F-1R0M	1.0	100	2.4	28	30	1R0
CTHCCH1210F-1R5M	1.5	100	3.5	24	25	1R5
CTHCCH1210F-2R2M	2.2	100	4.7	18	21	2R2
CTHCCH1210F-3R3M	3.3	100	6.3	14	15	3R3
CTHCCH1210F-4R7M	4.7	100	8.8	11	12	4R7
CTHCCH1210F-6R8M	6.8	100	12.5	9	10	6R8
CTHCCH1210F-8R2M	8.2	100	13.0	7	9	8R2
CTHCCH1210F-100M	10	100	18.7	6	8	100

PHYSICAL DIMENSIONS

Size	A	B	C	D	E
	Max.	Max.	Max.		
mm	12.3	11.7	10.0	3.5±0.2	2.0±0.2
inches	0.484	0.461	0.394	0.138±0.008	0.079±0.008



PAD LAYOUT

