

## CTHC2220F

### Series

From 1.0  $\mu\text{H}$  to 1000  $\mu\text{H}$



Not Shown at Actual Size

### CHARACTERISTICS

**Description:** Ferrite core, wire-wound molded chip inductor.

**Applications:** TV's, VCR's, disk drives, computer peripherals, telecommunication devices and electronic control boards for automobiles.

**Operating Temperature:** -25°C to +85°C

**Inductance Tolerance:**  $\pm 5\%$ ,  $\pm 10\%$ ,  $\pm 20\%$

**Testing:** Inductance and Q are tested on an HP4285A at specified frequency.

**Packaging:** Tape & Reel.

**Part Marking:** Inductance code.

**Miscellaneous:** RoHS Compliant.

**Additional Information:** Additional electrical & physical information available upon request.

**Samples available. See website for ordering information.**

### SPECIFICATIONS

Please specify tolerance code when ordering.  
CTHC2220F-220\_ ← J =  $\pm 5\%$ , K =  $\pm 10\%$ , M =  $\pm 20\%$   
\* = K or M only

Part Number	Inductance ( $\mu\text{H}$ )	L Test Freq. (MHz)	Q Fact. Min.	Q Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. ( $\Omega$ )	Rated DC (mA)
CTHC2220F-1R0_*	1.0	7.96	10	7.96	95	0.03	1800
CTHC2220F-1R2_*	1.2	7.96	10	7.96	70	0.035	1700
CTHC2220F-1R5_*	1.5	7.96	10	7.96	55	0.04	1600
CTHC2220F-1R8_*	1.8	7.96	10	7.96	47	0.05	1400
CTHC2220F-2R2_*	2.2	7.96	10	7.96	42	0.06	1300
CTHC2220F-2R7_*	2.7	7.96	10	7.96	37	0.07	1200
CTHC2220F-3R3_*	3.3	7.96	10	7.96	34	0.08	1120
CTHC2220F-3R9_*	3.9	7.96	10	7.96	32	0.09	1050
CTHC2220F-4R7_*	4.7	7.96	10	7.96	29	0.11	950
CTHC2220F-5R6_*	5.6	7.96	10	7.96	26	0.13	880
CTHC2220F-6R8_*	6.8	7.96	10	7.96	24	0.15	810
CTHC2220F-8R2_*	8.2	7.96	10	7.96	22	0.18	750
CTHC2220F-100_*	10	2.52	10	2.52	19	0.21	690
CTHC2220F-120_*	12	2.52	10	2.52	17	0.25	630
CTHC2220F-150_*	15	2.52	10	2.52	16	0.30	580
CTHC2220F-180_*	18	2.52	10	2.52	14	0.36	530
CTHC2220F-220_	22	2.52	10	2.52	13	0.43	480
CTHC2220F-270_	27	2.52	10	2.52	11.5	0.52	440
CTHC2220F-330_	33	2.52	10	2.52	10.5	0.62	400
CTHC2220F-390_	39	2.52	10	2.52	9.5	0.72	370
CTHC2220F-470_	47	2.52	10	2.52	8.5	0.85	340
CTHC2220F-560_	56	2.52	10	2.52	7.8	1.00	310
CTHC2220F-680_	68	2.52	10	2.52	7.0	1.20	290
CTHC2220F-820_	82	2.52	10	2.52	6.4	1.40	270
CTHC2220F-101_	100	.796	20	0.796	6.0	1.60	250
CTHC2220F-121_	120	.796	20	0.796	5.4	1.90	230
CTHC2220F-151_	150	.796	20	0.796	4.8	2.20	210
CTHC2220F-181_	180	.796	20	0.796	4.4	2.80	190
CTHC2220F-221_	220	.796	20	0.796	3.9	3.40	170
CTHC2220F-271_	270	.796	20	0.796	3.6	4.20	155
CTHC2220F-331_	330	.796	20	0.796	3.2	4.90	140
CTHC2220F-391_	390	.796	20	0.796	2.9	5.80	130
CTHC2220F-471_	470	.796	20	0.796	2.6	7.00	120
CTHC2220F-561_	560	.796	20	0.796	2.4	8.50	110
CTHC2220F-681_	680	.796	20	0.796	2.2	10.0	100
CTHC2220F-821_	820	.796	20	0.796	2.0	13.0	90
CTHC2220F-102_	1000	.252	20	0.252	1.8	15.0	85

### PHYSICAL DIMENSIONS

Size	A	B	C	D	E
mm	5.6 $\pm$ 0.3	5.0 $\pm$ 0.2	4.0 $\pm$ 0.3	4.0 $\pm$ 0.2	0.7 $\pm$ 0.2
inches	0.22 $\pm$ 0.011	0.20 $\pm$ 0.008	0.16 $\pm$ 0.01	0.16 $\pm$ 0.008	0.028 $\pm$ 0.008

