CTHC1812F Series

From 1.0 µH to 1000 µH



CHARACTERISTICS

Description: High current, ferrite core, wire-wound molded chip inductor.
Applications: TV's, VCR's, disk drives, computer peripheals, telecommunication devices and electronic control boards for automobiles.
Operating Temperature: -25°C to +85°C
Inductance Tolerance: ±10%
Testing: Inductance and Q are tested on an HP4285A at specified frequency.
Packaging: Tape & Reel.
Part Marking: Inductance code or inductance code plus tolerance.
Miscellaneous: RoHS Compliant.
Additional Information: Additional electrical & physical information available upon request
Samples available. See website for ordering information.

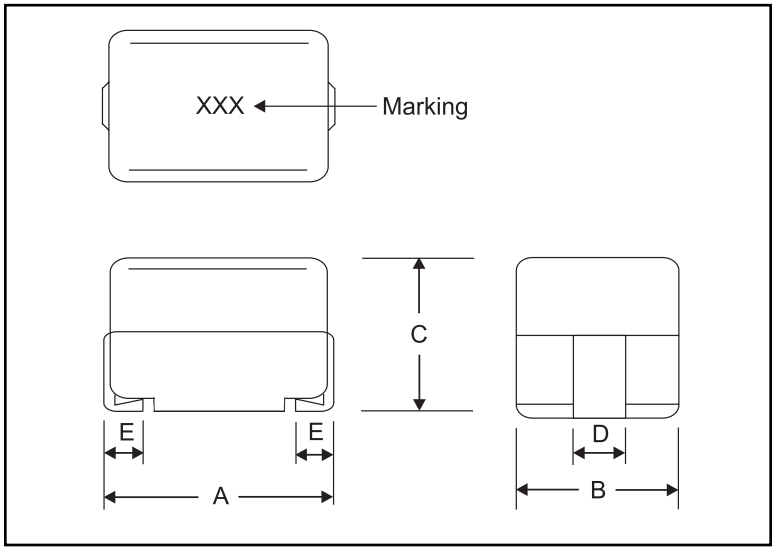
SPECIFICATIONS

Parts are available in ±10% inductance tolerance only.

Part Number	Inductance (µH)	L Test Freq. (MHz)	Q Fact. Min.	Q Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	Rated DC (mA)
CTHC1812F-1R0K	1.0	7.96	10	7.96	200	.11	1050
CTHC1812F-1R2K	1.2	7.96	10	7.96	160	.12	1000
CTHC1812F-1R5K	1.5	7.96	10	7.96	130	.15	950
CTHC1812F-1R8K	1.8	7.96	10	7.96	100	.16	900
CTHC1812F-2R2K	2.2	7.96	10	7.96	80	.18	850
CTHC1812F-2R7K	2.7	7.96	10	7.96	60	.20	800
CTHC1812F-3R3K	3.3	7.96	10	7.96	45	.22	750
CTHC1812F-3R9K	3.9	7.96	10	7.96	40	.24	700
CTHC1812F-4R7K	4.7	7.96	10	7.96	35	.27	650
CTHC1812F-5R6K	5.6	7.96	10	7.96	30	.30	650
CTHC1812F-6R8K	6.8	7.96	10	7.96	28	.35	600
CTHC1812F-8R2K	8.2	7.96	10	7.96	25	.40	600
CTHC1812F-100K	10	2.52	10	2.52	22	.50	550
CTHC1812F-120K	12	2.52	10	2.52	21	.60	500
CTHC1812F-150K	15	2.52	10	2.52	20	.70	450
CTHC1812F-180K	18	2.52	10	2.52	19	.80	400
CTHC1812F-220K	22	2.52	10	2.52	18	.90	370
CTHC1812F-270K	27	2.52	10	2.52	16	1.2	330
CTHC1812F-330K	33	2.52	10	2.52	14	1.4	300
CTHC1812F-390K	39	2.52	10	2.52	12	1.6	280
CTHC1812F-470K	47	2.52	10	2.52	12	1.9	260
CTHC1812F-560K	56	2.52	10	2.52	11	2.2	240
CTHC1812F-680K	68	2.52	10	2.52	10	2.6	220
CTHC1812F-820K	82	2.52	10	2.52	9.0	3.5	200
CTHC1812F-101K	100	0.796	20	0.796	8.0	4.0	180
CTHC1812F-121K	120	0.796	20	0.796	7.5	4.5	160
CTHC1812F-151K	150	0.796	20	0.796	7.0	6.5	140
CTHC1812F-181K	180	0.796	20	0.796	6.5	7.5	120
CTHC1812F-221K	220	0.796	20	0.796	5.5	9.0	120
CTHC1812F-271K	270	0.796	20	0.796	5.0	11	100
CTHC1812F-331K	330	0.796	20	0.796	4.0	13	90
CTHC1812F-391K	390	0.796	20	0.796	3.8	23	80
CTHC1812F-471K	470	0.796	20	0.796	3.5	26	75
CTHC1812F-561K	560	0.796	20	0.796	2.8	30	70
CTHC1812F-681K	680	0.796	20	0.796	2.6	40	65
CTHC1812F-821K	820	0.796	20	0.796	2.5	45	60
CTHC1812F-102K	1000	0.796	20	0.796	2.3	50	55

PHYSICAL DIMENSIONS

Size	A	B	C	D	E
mm	4.5±0.3	3.2±0.2	3.2±0.2	1.4±0.4	0.9±0.2
inches	0.18±0.012	0.12±0.001	0.12±0.001	0.06±0.016	0.04±0.001



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