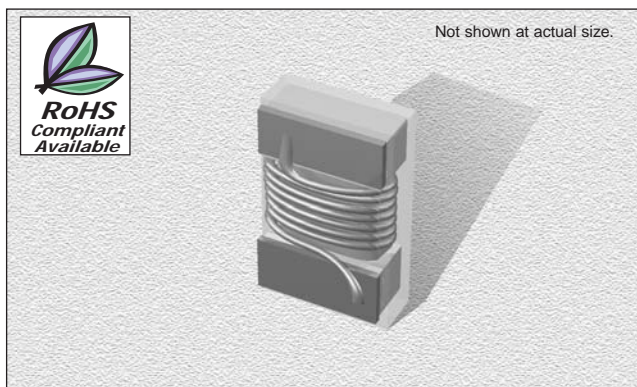


CT0805HT Series

From 1.8 nH to 1000 nH



CHARACTERISTICS

Description: SMD ceramic core wire-wound chip inductor

Applications: LC resonant circuits such as oscillator and signal generators, impedance matching, circuit isolation, RF filters, disk drives and computer peripherals, audio and video equipment, TV, radio and telecommunication equipment

Operating Temperature: -40°C to +125°C

Storage Temperature: -25°C to +85°C

Inductance Tolerance: ±2%, ±5%, ±10%

Testing: Inductance and Q are tested on an HP4287A at specified frequency

Packaging: Tape & Reel

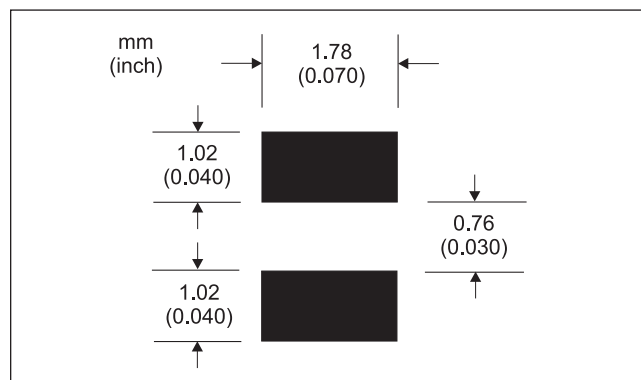
Miscellaneous: RoHS Compliant available.

Marking: Color dot

Additional Information: Additional electrical & physical information available upon request

Samples available. See website for ordering information.

PAD LAYOUT



SPECIFICATIONS

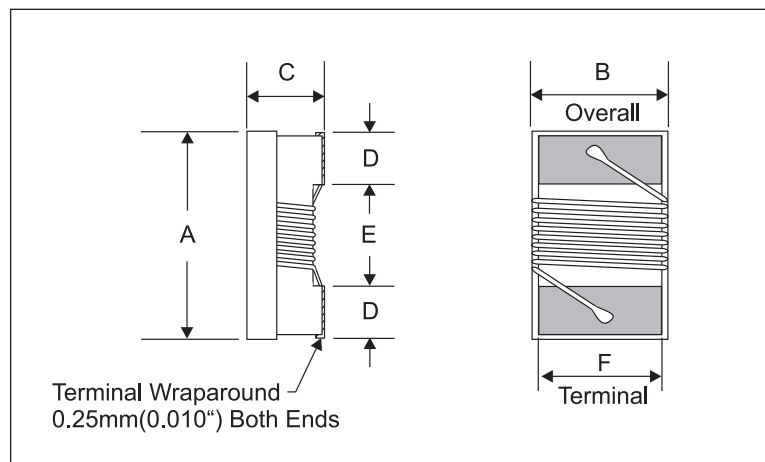
Please specify tolerance code when ordering.
 CT0805HT-4N7_ ← G = ±2%, J = ±5%, K = ±10%
 * = J or K only

CT0805HTE Please specify "F" for RoHS compliant

Part Number	Inductance (nH)	L Test Freq. (MHz)	Q Fact. Min.	Q Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	Rated DC (mA)
CT0805HT_-1N8K	1.8	250	55	1500	9400	0.03	800
CT0805HT_-3N9K	3.9	250	50	1000	6100	0.06	800
CT0805HT_-4N7_*	4.7	250	50	1000	5500	0.06	800
CT0805HT_-6N8_*	6.8	250	50	1000	5500	0.08	800
CT0805HT_-8N2_*	8.2	250	50	1000	4800	0.08	800
CT0805HT_-10N_	10	250	55	750	3300	0.08	800
CT0805HT_-12N_	12	250	55	750	3800	0.1	800
CT0805HT_-15N_	15	250	50	500	2950	0.1	800
CT0805HT_-18N_	18	250	50	500	3100	0.13	800
CT0805HT_-22N_	22	250	50	500	2900	0.15	800
CT0805HT_-27N_	27	250	50	500	2450	0.23	600
CT0805HT_-33N_	33	250	55	500	2350	0.28	600
CT0805HT_-39N_	39	250	55	500	2200	0.33	600
CT0805HT_-47N_	47	200	50	500	2000	0.39	600
CT0805HT_-56N_	56	200	50	500	1850	0.39	500
CT0805HT_-68N_	68	200	50	500	1500	0.4	500
CT0805HT_-82N_	82	150	50	500	1500	0.44	500
CT0805HT_-R10_	100	150	50	500	1200	0.64	400
CT0805HT_-R12_	120	150	40	250	1150	0.68	300
CT0805HT_-R15_	150	150	40	250	1050	0.8	300
CT0805HT_-R18_	180	150	40	250	950	0.9	300
CT0805HT_-R22_	220	150	40	250	900	0.98	300
CT0805HT_-R27_	270	150	40	250	850	1.3	300
CT0805HT_-R33_	330	100	40	250	800	1.45	300
CT0805HT_-R39_	390	100	35	250	700	1.6	300
CT0805HT_-R47_	470	50	25	100	600	1.8	300
CT0805HT_-R56_	560	25	18	50	550	1.9	300
CT0805HT_-R62_	620	25	18	50	450	2	300
CT0805HT_-R68_	680	25	18	50	420	2.1	300
CT0805HT_-R75_	750	25	18	50	400	2.2	300
CT0805HT_-R82_	820	25	18	50	400	2.5	300
CT0805HT_-1R0_	1000	25	17	50	330	2.6	300

PHYSICAL DIMENSIONS

Size	A Max.	B Max.	C Max.	D	E	F
mm	2.16	1.52	0.89	0.43	1.14	1.27
inches	0.085	0.060	0.035	0.016	0.045	0.05



02.14.05