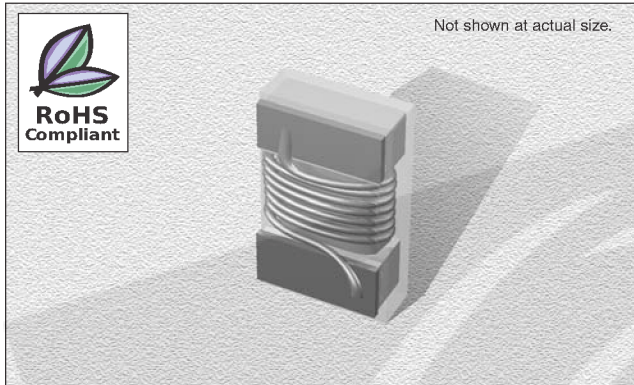


## CT0805HTF Series

### From 1.8 nH to 1000 nH

### SPECIFICATIONS

Please specify tolerance code when ordering.  
 CT0805HT-4N7\_ ← G = ±2%, J = ±5%, K = ±10%  
 \* = J or K only



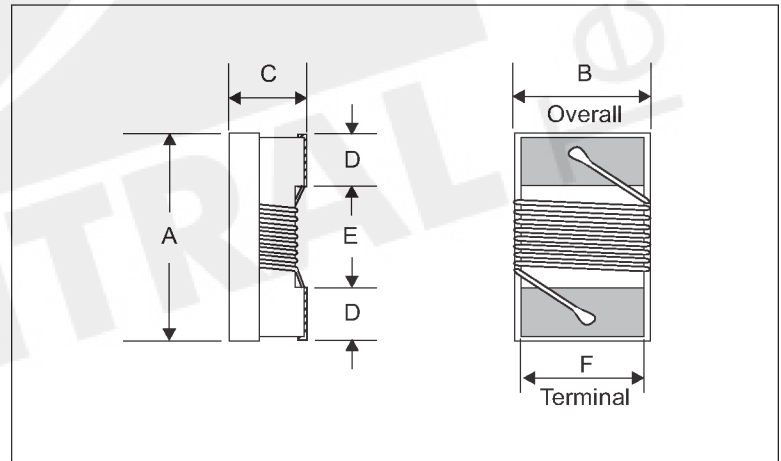
### CHARACTERISTICS

- 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.
- Marking:** Color dot
- Additional Information:** Additional electrical & physical information available upon request
- Samples available. See website for ordering information.**

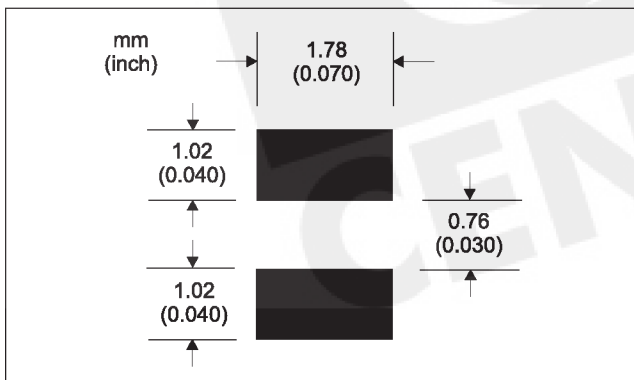
Part Number	Inductance (nH)	L Test Freq. (MHz)	Q Fact. Min.	Q Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	Rated DC (mA)
CT0805HTF-1N8K	1.8	250	55	1500	9400	0.03	800
CT0805HTF-3N9K	3.9	250	50	1000	6100	0.06	800
CT0805HTF-4N7_*	4.7	250	50	1000	5500	0.06	800
CT0805HTF-6N8_*	6.8	250	50	1000	5500	0.08	800
CT0805HTF-8N2_*	8.2	250	50	1000	4800	0.08	800
CT0805HTF-10N_	10	250	55	750	3300	0.08	800
CT0805HTF-12N_	12	250	55	750	3800	0.1	800
CT0805HTF-15N_	15	250	50	500	2950	0.1	800
CT0805HTF-18N_	18	250	50	500	3100	0.13	800
CT0805HTF-22N_	22	250	50	500	2900	0.15	800
CT0805HTF-27N_	27	250	50	500	2450	0.23	600
CT0805HTF-33N_	33	250	55	500	2350	0.28	600
CT0805HTF-39N_	39	250	55	500	2200	0.33	600
CT0805HTF-47N_	47	200	50	500	2000	0.39	600
CT0805HTF-56N_	56	200	50	500	1850	0.39	500
CT0805HTF-68N_	68	200	50	500	1500	0.4	500
CT0805HTF-82N_	82	150	50	500	1500	0.44	500
CT0805HTF-R10_	100	150	50	500	1200	0.64	400
CT0805HTF-R12_	120	150	40	250	1150	0.68	300
CT0805HTF-R15_	150	150	40	250	1050	0.8	300
CT0805HTF-R18_	180	150	40	250	950	0.9	300
CT0805HTF-R22_	220	150	40	250	900	0.98	300
CT0805HTF-R27_	270	150	40	250	850	1.3	300
CT0805HTF-R33_	330	100	40	250	800	1.45	300
CT0805HTF-R39_	390	100	35	250	700	1.6	300
CT0805HTF-R47_	470	50	25	100	600	1.8	300
CT0805HTF-R56_	560	25	18	50	550	1.9	300
CT0805HTF-R62_	620	25	18	50	450	2	300
CT0805HTF-R68_	680	25	18	50	420	2.1	300
CT0805HTF-R75_	750	25	18	50	400	2.2	300
CT0805HTF-R82_	820	25	18	50	400	2.5	300
CT0805HTF-1R0_	1000	25	17	50	330	2.6	300

### PHYSICAL DIMENSIONS

Size	A Max.	B Max.	C Max.	D	E	F
mm	2.29	1.73	1.1	0.51	1.02	1.27
inches	0.090	0.068	0.043	0.020	0.040	0.05



### PAD LAYOUT



04.07.08



Manufacturer of Passive and Discrete Semiconductor Components  
**800-684-5322** Inside US **949-453-1811** Outside US

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