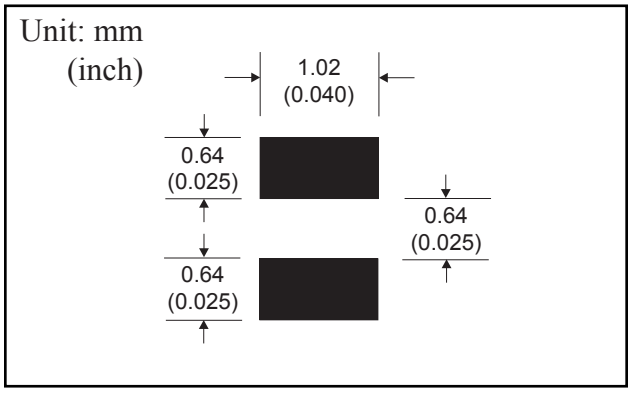
CT0603CTF Series

From 1.0nH to 56nH

CHARACTERISTICS

Description: SMD ceramic core wire-wound chip inductor.
Applications: RF products for cellular phone, GPS receivers, base stations, repeaters, wireless LAN/mouse/keyboard/earphone, remote controls, security systems and high frequency applications
Operating Temperature: -40°C to +125°C (Including self - temperature rise)
Irms: For a 15°C temp. rise from 25°C ambient with current
Inductance Tolerance: ±2%, ±3%, ±5%, ±10%
Testing: Inductance and Q are tested on an HP4287A at specified frequency.
Packaging: Tape & Reel.
Miscellaneous: RoHS Compliant.
Additional Information: Additional electrical & physical information available upon request.
Samples available. See website for ordering information.

PAD LAYOUT



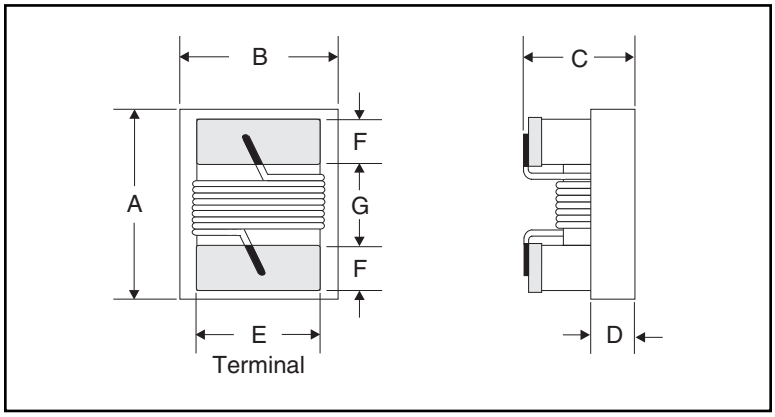
SPECIFICATIONS

Please specify tolerance code when ordering.
CT0603CTF-2N0_ ← G = ±2%, H = ±3%, J = ±5%, K = ±10%

Part Number	Inductance (nH)	Test Freq. (MHz)	Q Min	SRF Min. (MHz)	DCR Max. (Ω)	Irms Max. (mA)	Available Tolerance
CT0603CTF-1N0K	1.0	250	13	16000	0.045	1600	K
CT0603CTF-1N2K	1.2	250	12	16000	0.105	1100	K
CT0603CTF-2N0_	2.0	250	21	12000	0.034	1900	J, K
CT0603CTF-2N2_	2.2	250	21	10700	0.046	1600	J, K
CT0603CTF-2N3_	2.3	250	25	11000	0.046	1600	J, K
CT0603CTF-2N5_	2.5	250	20	11000	0.060	1300	J, K
CT0603CTF-3N0_	3.0	250	25	10700	0.039	1600	J, K
CT0603CTF-3N3_	3.3	250	26	7000	0.039	1600	H, J
CT0603CTF-3N6_	3.6	250	28	7000	0.044	1600	H, J
CT0603CTF-3N9_	3.9	250	26	6300	0.050	1400	H, J
CT0603CTF-4N3_	4.3	250	22	6300	0.076	1300	H, J
CT0603CTF-4N7_	4.7	250	22	5600	0.120	960	H, J
CT0603CTF-5N1_	5.1	250	24	5500	0.050	1400	H, J
CT0603CTF-5N6_	5.6	250	27	5050	0.058	1300	H, J
CT0603CTF-6N8_	6.8	250	24	4500	0.080	1200	H, J
CT0603CTF-7N2_	7.2	250	29	4500	0.047	1500	H, J
CT0603CTF-8N2_	8.2	250	27	4250	0.075	1300	H, J
CT0603CTF-9N5_	9.5	250	27	3950	0.092	1100	H, J
CT0603CTF-10N_	10	250	27	3950	0.075	1300	G, J
CT0603CTF-11N_	11	250	26	4000	0.110	1000	G, J
CT0603CTF-12N_	12	250	28	3500	0.130	920	G, J
CT0603CTF-15N_	15	250	26	3300	0.145	800	G, J
CT0603CTF-16N_	16	250	26	3100	0.175	760	G, J
CT0603CTF-18N_	18	250	26	2950	0.200	720	G, J
CT0603CTF-20N_	20	250	28	2900	0.175	760	G, J
CT0603CTF-22N_	22	250	28	2750	0.220	700	G, J
CT0603CTF-24N_	24	250	29	2700	0.240	680	G, J
CT0603CTF-27N_	27	250	27	2550	0.270	670	G, J
CT0603CTF-30N_	30	250	27	2450	0.330	600	G, J
CT0603CTF-33N_	33	250	27	2200	0.330	600	G, J
CT0603CTF-36N_	36	250	28	2300	0.335	600	G, J
CT0603CTF-39N_	39	250	28	2250	0.400	570	G, J
CT0603CTF-43N_	43	250	27	2100	0.440	530	G, J
CT0603CTF-47N_	47	250	27	1900	0.540	470	G, J
CT0603CTF-51N_	51	250	26	1850	0.570	440	G, J
CT0603CTF-56N_	56	250	26	1750	0.700	420	G, J

PHYSICAL DIMENSIONS

Size	A	B	C	D	E	F	G
mm	$1.6^{+0.2}_{-0.1}$	0.9±0.1	0.55±0.05	0.25	0.76	0.30	0.92
inches	$0.063^{+0.008}_{-0.004}$	0.035±0.004	0.02±0.002	0.010	0.030	0.012	0.036



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