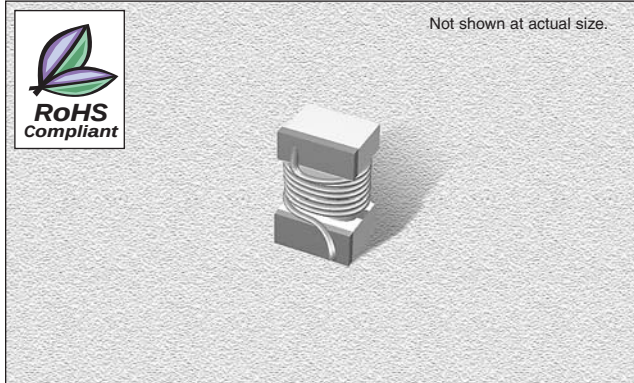


CT0402CSF Series

From 1.0 nH to 120 nH

ENGINEERING KIT #5F



CHARACTERISTICS

Description: SMD ceramic core wire-wound chip inductor

Applications: Telecommunication equipment, mobile phones, small size pagers, computers, printers and relevant equipment. Also, audio & video applications, the automotive electronics industry and high frequency applications

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

Inductance Tolerance: $\pm 2\%$, $\pm 3\%$, $\pm 5\%$, $\pm 10\%$

Testing: Inductance and Q are tested on an HP4287A at 250 MHz

Packaging: Tape & Reel

Marking: Reels are marked with inductance code and tolerance

Additional Information: Additional electrical & physical information available upon request

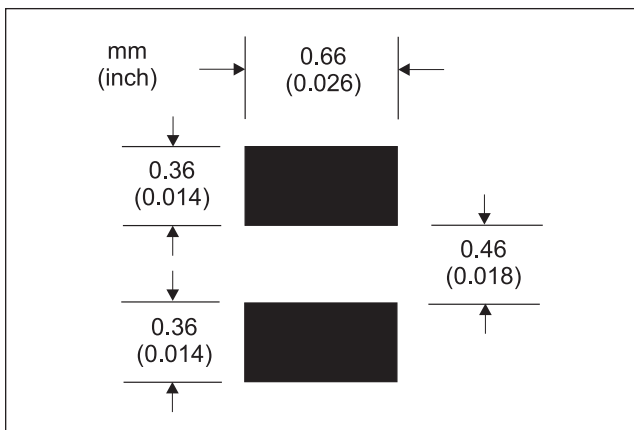
Samples available. See website for ordering information.

SPECIFICATIONS

Please specify tolerance code when ordering.
CT0402CS-2N0_ $\leftarrow$ G = $\pm 2\%$, H = $\pm 3\%$, J = $\pm 5\%$, K = $\pm 10\%$
* J or K only

Part Number	Inductance (nH)	L Test Freq. (MHz)	Q Fact. Min.	Q Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	Rated DC (mA)
CT0402CSF-1N0K	1.0	250	13	250	>6000	.04	1000
CT0402CSF-1N8K	1.8	250	14	250	>6000	.07	1700
CT0402CSF-1N9K	1.9	250	16	250	>6000	.07	1040
CT0402CSF-2N0_*	2.0	250	16	250	>6000	.07	1040
CT0402CSF-2N2_*	2.2	250	16	250	>6000	.07	840
CT0402CSF-2N4_*	2.4	250	16	250	>6000	.07	840
CT0402CSF-2N7_*	2.7	250	16	250	>6000	.07	840
CT0402CSF-3N3_*	3.3	250	19	250	>6000	.06	840
CT0402CSF-3N6_*	3.6	250	19	250	>6000	.06	840
CT0402CSF-3N9_*	3.9	250	17	250	5800	.11	800
CT0402CSF-4N3_*	4.3	250	18	250	5800	.11	800
CT0402CSF-4N7_*	4.7	250	20	250	5800	.11	800
CT0402CSF-5N1_*	5.1	250	21	250	5800	.11	800
CT0402CSF-5N6_*	5.6	250	20	250	4800	.08	760
CT0402CSF-5N8_*	5.8	250	20	250	4800	.083	760
CT0402CSF-6N2_*	6.2	250	20	250	4800	.08	760
CT0402CSF-6N8_*	6.8	250	23	250	4400	.14	680
CT0402CSF-7N5_*	7.5	250	23	250	4400	.14	680
CT0402CSF-8N2_*	8.2	250	24	250	4400	.14	680
CT0402CSF-8N7_*	8.7	250	18	250	4100	.20	480
CT0402CSF-9N0_*	9.0	250	22	250	4160	.10	680
CT0402CSF-9N5_*	9.5	250	18	250	4000	.20	480
CT0402CSF-10N_*	10	250	25	250	3700	.18	600
CT0402CSF-11N_*	11	250	25	250	3700	.18	600
CT0402CSF-12N_*	12	250	25	250	3600	.18	600
CT0402CSF-13N_*	13	250	26	250	3600	.18	600
CT0402CSF-15N_*	15	250	26	250	3200	.21	560
CT0402CSF-16N_*	16	250	26	250	3200	.21	560
CT0402CSF-18N_*	18	250	26	250	3000	.25	480
CT0402CSF-19N_*	19	250	24	250	3040	.20	480
CT0402CSF-20N_*	20	250	26	250	3000	.25	480
CT0402CSF-22N_*	22	250	26	250	2700	.36	375
CT0402CSF-23N_*	23	250	22	250	2720	.30	400
CT0402CSF-24N_*	24	250	26	250	2700	.36	375
CT0402CSF-27N_*	27	250	26	250	2500	.36	375
CT0402CSF-30N_*	30	250	26	250	2200	.41	320
CT0402CSF-33N_*	33	250	26	250	2200	.41	320
CT0402CSF-36N_*	36	250	26	250	2200	.46	310
CT0402CSF-39N_*	39	250	26	250	2200	.46	310
CT0402CSF-40N_*	40	250	24	250	2240	.44	320
CT0402CSF-43N_*	43	250	26	250	2100	.50	300
CT0402CSF-47N_*	47	250	26	250	2000	.55	260
CT0402CSF-51N_*	51	250	26	250	2000	.55	260
CT0402CSF-56N_*	56	250	26	250	1900	.77	200
CT0402CSF-62N_*	62	250	22	250	1620	1.12	100
CT0402CSF-68N_*	68	250	22	250	1620	1.1	100
CT0402CSF-82N_*	82	250	26	250	1700	1.33	180
CT0402CSF-R10_*	100	250	26	250	1300	1.87	160
CT0402CSF-R12_*	120	250	26	250	1200	2.35	140

PAD LAYOUT



PHYSICAL DIMENSIONS

Size	A	B	C	D	E	F
mm	1 $\pm$ 0.1	0.68 $\pm$ 0.1	0.55 $\pm$ 0.05	0.55 $\pm$ 0.05	0.2 $\pm$ 0.05	0.6
inches	0.04 $\pm$ 0.004	0.03 $\pm$ 0.004	0.02 $\pm$ 0.001	0.02 $\pm$ 0.001	0.007 $\pm$ 0.001	0.02

09.02.08