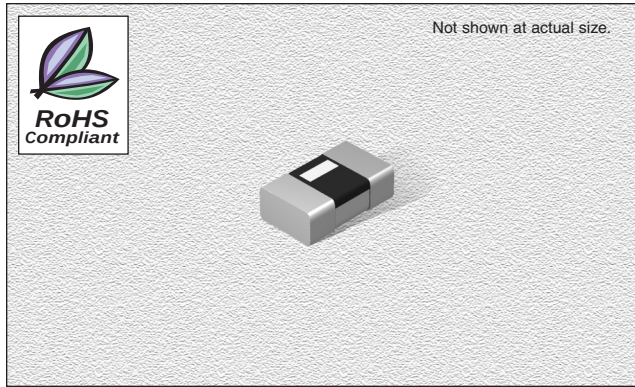


CTTF0402F Series

From 0.2 nH to 33 nH



CHARACTERISTICS

Description: SMD thin film chip inductors

Applications: Cellular Telephone, pagers, GPS products, wireless LAN and other communication appliances, VCO, TCXO circuit and RF Transceiver Module

Operating Temperature: -40°C to +85°C

Inductance Tolerance: $\pm 0.1\text{nH}$, $\pm 0.2\text{nH}$ & $\pm 2\%$

Testing: Tested on a HP4287A at 500 MHz

Packaging: Tape & Reel

Miscellaneous: RoHS Compliant.

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.
 CTTF0402F-0N2_ ← B = $\pm 0.1\text{nH}$, C = $\pm 0.2\text{nH}$, S = $\pm 0.3\text{nH}$, F = $\pm 1\%$, G = $\pm 2\%$,
 H = $\pm 3\%$, J = $\pm 5\%$
 * = F, G, H or J only
 ** = B, C, or S only

Part Number	Inductance (nH)	L Test Freq. (MHz)	Q Min.	Q Test Freq. (MHz)	DCR Max. (Ω)	Rated DC Max. (mA)	SRF Min. (GHz)
CTTF0402F-0N2_**	0.2	500	13	500	0.1	800	6
CTTF0402F-0N4_**	0.4	500	13	500	0.1	800	6
CTTF0402F-0N8_**	0.8	500	13	500	0.1	700	6
CTTF0402F-1N0_**	1.0	500	13	500	0.1	700	6
CTTF0402F-1N2_**	1.2	500	13	500	0.1	700	6
CTTF0402F-1N5_**	1.5	500	13	500	0.2	700	6
CTTF0402F-1N6_**	1.6	500	13	500	0.2	560	6
CTTF0402F-1N8_**	1.8	500	13	500	0.2	560	6
CTTF0402F-2N0_**	2.0	500	13	500	0.3	560	6
CTTF0402F-2N2_**	2.2	500	13	500	0.3	440	6
CTTF0402F-2N5_**	2.5	500	13	500	0.35	440	6
CTTF0402F-2N7_**	2.7	500	13	500	0.3	440	6
CTTF0402F-3N0_**	3.0	500	13	500	0.45	380	6
CTTF0402F-3N1_**	3.1	500	13	500	0.4	380	6
CTTF0402F-3N3_**	3.3	500	13	500	0.4	380	6
CTTF0402F-3N6_**	3.6	500	13	500	0.4	380	6
CTTF0402F-3N8_**	3.8	500	13	500	0.55	340	6
CTTF0402F-3N9_**	3.9	500	13	500	0.5	340	6
CTTF0402F-4N7_**	4.7	500	13	500	0.6	320	6
CTTF0402F-5N6_**	5.6	500	13	500	0.7	280	6
CTTF0402F-5N9_**	5.9	500	13	500	0.7	280	6
CTTF0402F-6N8_**	6.8	500	13	500	0.9	260	6
CTTF0402F-7N2_**	7.2	500	13	500	0.9	260	6
CTTF0402F-8N0_**	8.0	500	13	500	1.1	220	5.5
CTTF0402F-8N2_**	8.2	500	13	500	1.1	220	5.5
CTTF0402F-9N1_**	9.1	500	13	500	1.1	220	5.5
CTTF0402F-10N_*	10	500	13	500	1.3	200	4.5
CTTF0402F-12N_*	12	500	13	500	1.6	180	3.7
CTTF0402F-13N8_*	13.8	500	13	500	1.6	180	3.7
CTTF0402F-15N_*	15	500	13	500	1.8	130	3.3
CTTF0402F-17N_*	17	500	13	500	2.0	100	3.1
CTTF0402F-18N_*	18	500	13	500	2.0	100	3.1
CTTF0402F-20N8_*	20.8	500	13	500	2.6	90	2.8
CTTF0402F-22N_*	22	500	13	500	2.6	90	2.8
CTTF0402F-27N_*	27	500	13	500	2.5	75	3.25
CTTF0402F-33N_*	33	500	13	500	2.5	75	3.75

PHYSICAL DIMENSIONS

Size	A	B	C	D
mm	1.0 $\pm$ 0.05	0.5 $\pm$ 0.05	0.35 $\pm$ 0.05	0.2 $\pm$ 0.1
inches	0.04 $\pm$ 0.002	0.02 $\pm$ 0.002	0.01 $\pm$ 0.002	0.008 $\pm$ 0.004

