

CTTF0402F Series

From 0.2nH to 33nH



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:** -55°C to +125°C
- Inductance Tolerance:** ±0.1nH, ±0.2nH, ±0.3nH, ±1%, ±2%, ±3%, ±5%
- Testing:** Tested on a HP4287A at 500MHz
- 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 = ±0.1nH, C = ±0.2nH, S = ±0.3nH, F = ±1%, G = ±2%
 H = ±3%, J = 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	0.10	800	14
CTTF0402F-0N4_**	0.4	500	13	500	0.10	800	14
CTTF0402F-0N8_**	0.8	500	13	500	0.15	700	14
CTTF0402F-1N0_**	1.0	500	13	500	0.15	700	12
CTTF0402F-1N2_**	1.2	500	13	500	0.15	700	12
CTTF0402F-1N5_**	1.5	500	13	500	0.25	700	10
CTTF0402F-1N6_**	1.6	500	13	500	0.25	560	10
CTTF0402F-1N8_**	1.8	500	13	500	0.25	560	10
CTTF0402F-2N0_**	2.0	500	13	500	0.35	560	8
CTTF0402F-2N2_**	2.2	500	13	500	0.35	440	8
CTTF0402F-2N5_**	2.5	500	13	500	0.35	440	8
CTTF0402F-2N7_**	2.7	500	13	500	0.35	440	8
CTTF0402F-3N0_**	3.0	500	13	500	0.45	380	6
CTTF0402F-3N1_**	3.1	500	13	500	0.45	380	6
CTTF0402F-3N3_**	3.3	500	13	500	0.45	380	6
CTTF0402F-3N6_**	3.6	500	13	500	0.55	380	6
CTTF0402F-3N8_**	3.8	500	13	500	0.55	340	6
CTTF0402F-3N9_**	3.9	500	13	500	0.55	340	6
CTTF0402F-4N7_**	4.7	500	13	500	0.65	320	6
CTTF0402F-5N6_**	5.6	500	13	500	0.85	280	6
CTTF0402F-5N9_**	5.9	500	13	500	0.85	280	6
CTTF0402F-6N8_**	6.8	500	13	500	1.05	260	6
CTTF0402F-7N2_**	7.2	500	13	500	1.05	260	6
CTTF0402F-8N0_**	8.0	500	13	500	1.25	220	5.5
CTTF0402F-8N2_**	8.2	500	13	500	1.25	220	5.5
CTTF0402F-9N1_**	9.1	500	13	500	1.25	220	5.5
CTTF0402F-10N_*	10	500	13	500	1.35	200	4.5
CTTF0402F-12N_*	12	500	13	500	1.55	180	3.7
CTTF0402F-13N8_*	13.8	500	13	500	1.75	180	3.7
CTTF0402F-15N_*	15	500	13	500	1.75	130	3.3
CTTF0402F-17N_*	17	500	13	500	1.95	100	3.1
CTTF0402F-18N_*	18	500	13	500	2.15	100	3.1
CTTF0402F-20N8_*	20.8	500	13	500	2.55	90	2.8
CTTF0402F-22N_*	22	500	13	500	2.65	90	2.8
CTTF0402F-27N_*	27	500	13	500	3.25	75	2.5
CTTF0402F-33N_*	33	500	13	500	4.50	75	2.5

PHYSICAL DIMENSIONS

Size	A	B	C	D
mm	1.0±0.05	0.5±0.05	0.32±0.05	0.2±0.1
inches	0.04±0.002	0.02±0.002	0.013±0.002	0.008±0.004

