

## CT0402HPF Series

From 1.0 nH to 51 nH



### CHARACTERISTICS

**Description:** SMD wire-wound chip inductor.

**Applications:** Cellular phone, cordless phone, remote control, security systems, wireless PDA, wireless LAN, mouse, keyboard, GPS receiver, set top box, base station, repeater, etc.

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

**Inductance Tolerance:** ±0.2nH, ±0.5nH, ±2%, ±5%, ±10%

**Testing:** Inductance and Q tested on an HP4287A at specified frequency.

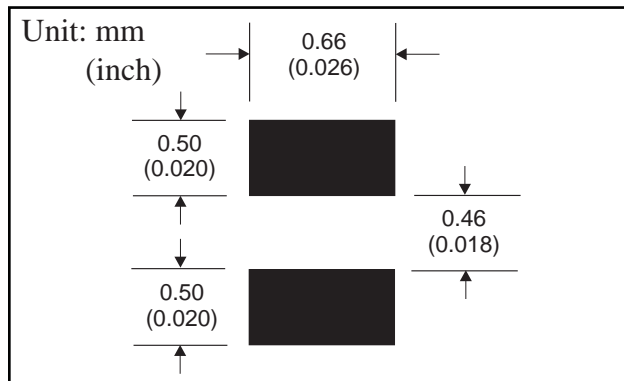
**Packaging:** Tape & Reel.

**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.

CT0402HPF-1N0 ← C = ±0.2nH, D = ±0.5nH, G = ±2%, J = ±5%, K = ±10%

Part Number	Inductance at 250MHz (nH)	Q 900MHz	Q 1.7GHz	SRF Min. (GHz)	DCR Max. (Ω)	IDC Max. (mA)	Available Tolerance
CT0402HPF-1N0	1.0	46	75	16.0	0.030	2300	C, D, J, K
CT0402HPF-2N0	2.0	58	85	15.2	0.038	2100	C, D, J, K
CT0402HPF-2N2	2.2	60	86	15.1	0.038	2100	C, D, J, K
CT0402HPF-2N4	2.4	60	83	14.0	0.042	2000	C, D, J, K
CT0402HPF-2N7	2.7	62	85	13.0	0.075	1500	C, D, J, K
CT0402HPF-3N3	3.3	66	95	12.8	0.045	1700	C, D, J, K
CT0402HPF-3N6	3.6	65	94	11.7	0.045	1700	C, D, J, K
CT0402HPF-3N9	3.9	64	98	9.50	0.045	1700	C, D, J, K
CT0402HPF-4N3	4.3	63	90	7.15	0.050	1600	D, J, K
CT0402HPF-4N7	4.7	58	83	6.85	0.070	1500	D, J, K
CT0402HPF-5N1	5.1	54	76	6.80	0.115	1200	G, J, K
CT0402HPF-5N6	5.6	73	105	6.50	0.050	1600	G, J, K
CT0402HPF-6N2	6.2	73	100	5.80	0.055	1600	G, J, K
CT0402HPF-6N8	6.8	68	94	5.80	0.065	1500	G, J, K
CT0402HPF-7N5	7.5	60	82	5.40	0.090	1400	G, J, K
CT0402HPF-8N2	8.2	68	95	5.40	0.065	1500	G, J, K
CT0402HPF-8N7	8.7	68	95	5.00	0.065	1500	G, J, K
CT0402HPF-9N0	9.0	67	92	5.00	0.080	1400	G, J, K
CT0402HPF-9N5	9.5	64	90	4.70	0.090	1400	G, J, K
CT0402HPF-10N	10	62	90	4.70	0.100	1300	G, J, K
CT0402HPF-11N	11	68	98	4.70	0.065	1400	G, J, K
CT0402HPF-12N	12	66	100	4.40	0.100	1200	G, J, K
CT0402HPF-13N	13	62	82	4.20	0.150	870	G, J, K
CT0402HPF-15N	15	62	85	3.90	0.110	1100	G, J, K
CT0402HPF-16N	16	57	77	3.70	0.140	850	G, J, K
CT0402HPF-18N	18	58	74	3.55	0.120	900	G, J, K
CT0402HPF-19N	19	61	88	3.50	0.145	850	G, J, K
CT0402HPF-20N	20	58	76	3.50	0.185	780	G, J, K
CT0402HPF-21N	21	48	62	1.70	0.460	450	G, J, K
CT0402HPF-22N	22	60	74	3.30	0.160	800	G, J, K
CT0402HPF-23N	23	60	77	3.30	0.160	800	G, J, K
CT0402HPF-24N	24	55	71	3.15	0.200	700	G, J, K
CT0402HPF-25N	25	57	73	3.15	0.250	600	G, J, K
CT0402HPF-26N	26	56	74	3.15	0.285	450	G, J, K
CT0402HPF-27N	27	62	86	3.20	0.320	450	G, J, K
CT0402HPF-30N	30	61	87	2.90	0.330	450	G, J, K
CT0402HPF-33N	33	61	80	2.80	0.330	490	G, J, K
CT0402HPF-36N	36	59	76	2.80	0.380	480	G, J, K
CT0402HPF-37N	37	57	72	2.70	0.460	470	G, J, K
CT0402HPF-39N	39	56	84	2.60	0.430	450	G, J, K
CT0402HPF-40N	40	56	75	2.60	0.430	450	G, J, K
CT0402HPF-43N	43	52	68	2.50	0.520	450	G, J, K
CT0402HPF-47N	47	48	62	2.40	0.580	420	G, J, K
CT0402HPF-51N	51	52	59	2.30	0.700	360	G, J, K

### PHYSICAL DIMENSIONS

Size	A	B	C	D	E	F
	Max.	Max.	Max.			
mm	1.27	0.76	0.61	0.51	0.23	0.56
inches	0.050	0.030	0.024	0.020	0.009	0.022

