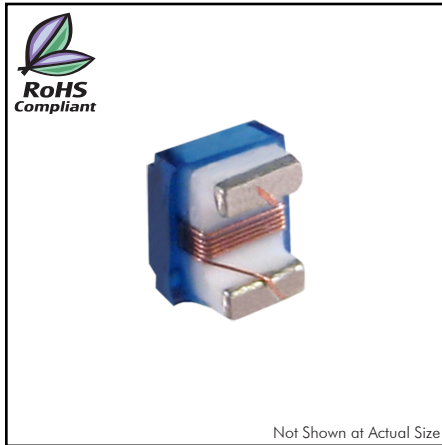


CT0402HPF

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: $\pm 2\%$, $\pm 3\%$, $\pm 5\%$

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.

SPECIFICATIONS

Please specify tolerance code when ordering.
CT0402HPF-3N3_ ← G = $\pm 2\%$, H = $\pm 3\%$, J = $\pm 5\%$
*H or J only

Part Number	Inductance (nH)	Test Freq. (MHz)	Q 900MHz	Q 1.7GHz	SRF Min. (GHz)	DCR Max. (Ω)	IDC Max. (mA)
CT0402HPF-1N0J	1.0	250	46	75	16.0	0.030	2300
CT0402HPF-2N0J	2.0	250	58	85	15.2	0.038	2100
CT0402HPF-2N2J	2.2	250	60	86	15.1	0.038	2100
CT0402HPF-2N4J	2.4	250	60	83	14.0	0.042	2000
CT0402HPF-2N7J	2.7	250	62	85	13.0	0.056	1500
CT0402HPF-3N3_*	3.3	250	66	95	12.8	0.045	1700
CT0402HPF-3N6_*	3.6	250	65	94	11.7	0.045	1700
CT0402HPF-3N9_*	3.9	250	64	98	9.50	0.045	1700
CT0402HPF-4N3_*	4.3	250	63	90	7.15	0.045	1600
CT0402HPF-4N7_*	4.7	250	58	83	6.85	0.060	1500
CT0402HPF-5N1_	5.1	250	54	76	6.80	0.100	1200
CT0402HPF-5N6_	5.6	250	73	105	6.50	0.048	1600
CT0402HPF-6N2_	6.2	250	73	100	5.80	0.050	1600
CT0402HPF-6N8_	6.8	250	68	94	5.80	0.055	1500
CT0402HPF-7N5_	7.5	250	60	82	5.40	0.080	1400
CT0402HPF-8N2_	8.2	250	68	95	5.40	0.058	1500
CT0402HPF-8N7_	8.7	250	68	95	5.00	0.058	1500
CT0402HPF-9N0_	9.0	250	67	92	5.00	0.080	1400
CT0402HPF-9N5_	9.5	250	64	90	4.70	0.080	1400
CT0402HPF-10N_	10	250	62	90	4.70	0.085	1300
CT0402HPF-11N_	11	250	68	98	4.70	0.065	1400
CT0402HPF-12N_	12	250	66	100	4.40	0.090	1200
CT0402HPF-13N_	13	250	62	82	4.20	0.140	870
CT0402HPF-15N_	15	250	62	85	3.90	0.110	1100
CT0402HPF-16N_	16	250	57	77	3.70	0.130	850
CT0402HPF-18N_	18	250	58	74	3.55	0.120	900
CT0402HPF-19N_	19	250	61	88	3.50	0.145	850
CT0402HPF-20N_	20	250	58	76	3.50	0.185	780
CT0402HPF-21N_	21	250	48	62	1.70	0.460	450
CT0402HPF-22N_	22	250	60	74	3.30	0.160	800
CT0402HPF-23N_	23	250	60	77	3.30	0.160	800
CT0402HPF-24N_	24	250	55	71	3.15	0.190	700
CT0402HPF-25N_	25	250	57	73	3.15	0.230	600
CT0402HPF-26N_	26	250	56	74	3.15	0.275	450
CT0402HPF-27N_	27	250	62	86	3.20	0.275	450
CT0402HPF-30N_	30	250	61	87	2.90	0.330	450
CT0402HPF-33N_	33	250	61	80	2.80	0.330	490
CT0402HPF-36N_	36	250	59	76	2.80	0.360	480
CT0402HPF-37N_	37	250	57	72	2.70	0.480	470
CT0402HPF-39N_	39	250	56	84	2.60	0.430	450
CT0402HPF-40N_	40	250	56	75	2.60	0.430	450
CT0402HPF-43N_	43	250	52	68	2.50	0.520	450
CT0402HPF-47N_	47	250	48	62	2.40	0.580	420
CT0402HPF-51N_	51	250	52	59	2.30	0.700	360

PHYSICAL DIMENSIONS

Size	A	B	C	D	E	F
	Max.	Max.	Max.			
mm	1.15	0.70	0.60	0.45	0.20	0.60
inches	0.045	0.027	0.024	0.018	0.008	0.024

PAD LAYOUT

