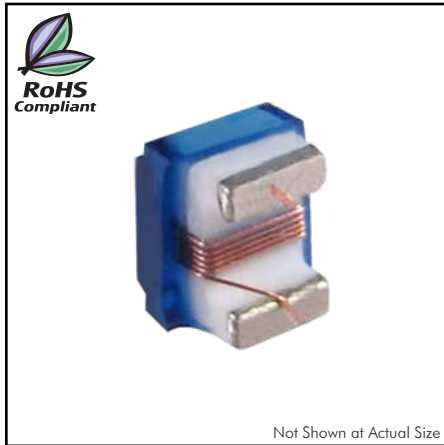


## CT0603HPF Series

From 1.8nH to 390nH



### SPECIFICATIONS

Please specify tolerance code when ordering.  
CT0603HPF-4N3 ← H = ±3%, J = ±5%

Part Number	Inductance (nH)	L/Q Test Freq. (MHz)	Q Typ.	SRF Typ. (GHz)	DCR Max. (Ω)	Irms Max. (mA)	Available Tolerance
CT0603HPF-1N8J	1.8	250/250	23	16.0	0.033	2100	J
CT0603HPF-2N2J	2.2	250/250	13	15.0	0.182	900	J
CT0603HPF-3N9J	3.9	250/250	26	7.50	0.062	1600	J
CT0603HPF-4N3_	4.3	250/250	26	7.50	0.088	1300	H, J
CT0603HPF-4N7_	4.7	250/250	25	7.90	0.130	1100	H, J
CT0603HPF-6N8_	6.8	250/250	40	5.80	0.065	1400	H, J
CT0603HPF-7N2_	7.2	250/250	32	5.40	0.100	1400	H, J
CT0603HPF-7N5_	7.5	250/250	32	5.30	0.100	1300	H, J
CT0603HPF-11N_	11	250/250	41	4.10	0.086	1400	H, J
CT0603HPF-15N_	15	250/250	42	3.60	0.110	1200	H, J
CT0603HPF-16N_	16	250/250	40	3.50	0.125	1100	H, J
CT0603HPF-22N_	22	250/250	40	3.15	0.195	850	H, J
CT0603HPF-23N_	23	250/250	40	3.00	0.150	850	H, J
CT0603HPF-24N_	24	250/250	42	2.95	0.125	1100	H, J
CT0603HPF-27N_	27	250/250	42	2.80	0.200	780	H, J
CT0603HPF-30N_	30	250/250	49	2.80	0.130	920	H, J
CT0603HPF-33N_	33	250/250	45	2.70	0.170	680	H, J
CT0603HPF-36N_	36	250/250	44	2.50	0.225	720	H, J
CT0603HPF-39N_	39	250/250	48	2.45	0.190	680	H, J
CT0603HPF-43N_	43	250/250	45	2.45	0.225	810	H, J
CT0603HPF-47N_	47	200/250	43	2.30	0.240	680	H, J
CT0603HPF-51N_	51	200/250	42	2.30	0.280	660	H, J
CT0603HPF-56N_	56	200/250	43	2.20	0.300	610	H, J
CT0603HPF-68N_	68	200/250	43	2.00	0.330	600	H, J
CT0603HPF-72N_	72	150/250	37	1.90	0.420	550	H, J
CT0603HPF-75N_	75	150/250	37	1.90	0.520	500	H, J
CT0603HPF-82N_	82	150/250	38	1.80	0.460	510	H, J
CT0603HPF-91N_	91	150/250	45	1.65	0.580	440	H, J
CT0603HPF-R10_	100	150/250	49	1.70	0.540	470	H, J
CT0603HPF-R11_	110	150/250	47	1.60	0.620	440	H, J
CT0603HPF-R12_	120	150/250	47	1.55	0.720	420	H, J
CT0603HPF-R15_	150	150/250	47	1.35	1.150	390	H, J
CT0603HPF-R18_	180	100/250	48	1.30	1.500	310	H, J
CT0603HPF-R20_	200	100/250	47	1.25	2.000	280	H, J
CT0603HPF-R21_	210	100/250	48	1.20	2.000	280	H, J
CT0603HPF-R22_	220	100/250	47	1.10	2.000	280	H, J
CT0603HPF-R25_	250	100/250	45	1.05	3.000	240	H, J
CT0603HPF-R27_	270	100/250	46	1.05	2.250	260	H, J
CT0603HPF-R30_	300	100/250	47	0.99	2.800	220	H, J
CT0603HPF-R33_	330	100/250	46	0.93	3.600	180	H, J
CT0603HPF-R36_	360	100/250	47	0.93	4.000	170	H, J
CT0603HPF-R39_	390	100/250	47	0.88	4.000	170	H, J

### CHARACTERISTICS

**Description:** SMD ceramic core 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 (Including self-temperature rise)

**Irms:** For a 15°C temp. rise from 25°C ambient with current

**Inductance Tolerance:** ±3%, ±5%

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

**Packaging:** Tape & Reel.

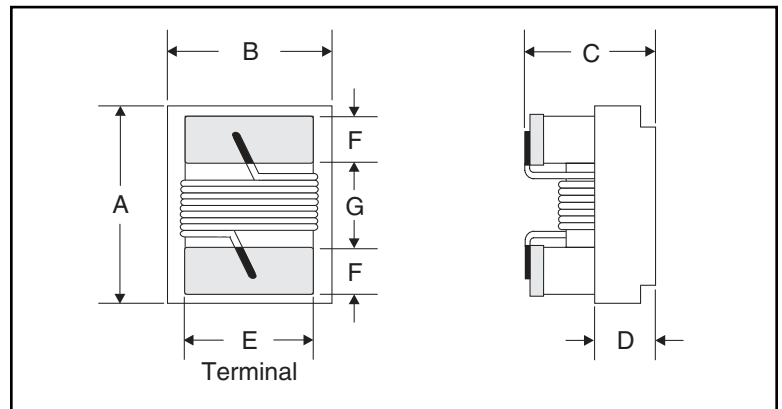
**Miscellaneous:** RoHS Compliant.

**Additional Information:** Additional electrical & physical information available upon request.

**Samples available. See website for ordering information.**

### PHYSICAL DIMENSIONS

Size	A	B	C	D	E	F	G
				Ref.			
mm	1.6 <sup>+0.2</sup> <sub>-0.1</sub>	1.00±0.1	0.82 <sup>+0.2</sup> <sub>-0.1</sub>	0.30	0.70	0.30	0.95
inches	0.063 <sup>+0.008</sup> <sub>-0.004</sub>	0.039±0.004	0.032 <sup>+0.008</sup> <sub>-0.004</sub>	0.012	0.028	0.012	0.037



### PAD LAYOUT

