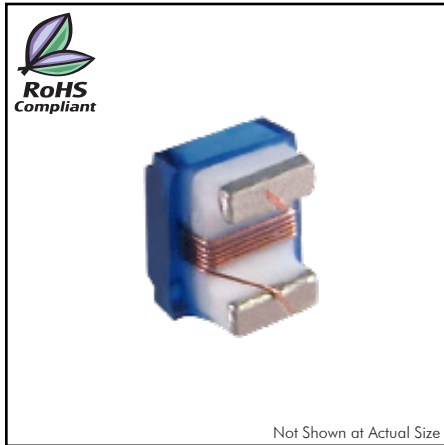


## CT0402QWF Series

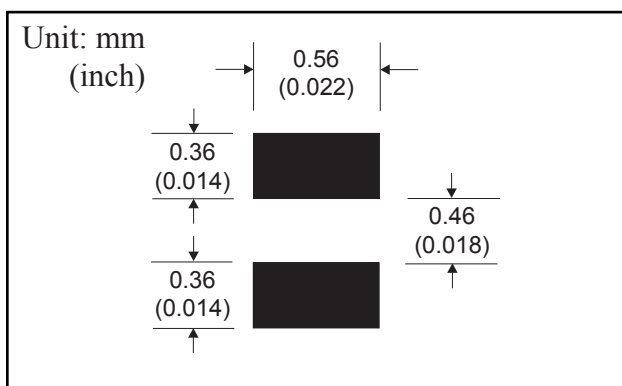
From 1.5nH to 120nH



### CHARACTERISTICS

- Description:** SMD ceramic core wire-wound chip inductor.
- Applications:** RF products for cellular phone, GPS receivers, base stations, repeaters, wireless LAN/mouse/keyboard/earphone, remote controls, security systems and high frequency applications.
- Operating Temperature:** -40°C to +125°C (Including self-temperature rise)
- Irms:** For a 15°C rise above 25°C ambient
- Inductance Tolerance:** ±0.1nH, ±0.2nH, ±0.5nH, ±2%, ±3%, ±5%
- Testing:** Inductance and Q are tested on an HP4287A at specified frequency.
- Packaging:** Tape & Reel.
- Miscellaneous:** RoHS Compliant.
- Marking:** No markings
- 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.  
 CT0402QWF-1N5 ← B = ±0.1nH, C = ±0.2nH, D = ±0.5nH,  
 G = ±2%, H = ±3%, J = ±5%

Part Number	Inductance (nH)	L/Q Test Freq. (MHz)	Q Fact. Min.	SRF Min. (MHz)	DCR Max. (Ω)	Irms Max. (mA)	Tolerance
CT0402QWF-1N5	1.5	100/250	10	18000	0.03	1000	B,C,D
CT0402QWF-2N4	2.4	100/250	20	15000	0.05	850	B,C,D
CT0402QWF-2N5	2.5	100/250	20	15000	0.05	850	B,C,D
CT0402QWF-2N7	2.7	100/250	20	15000	0.05	850	B,C,D
CT0402QWF-2N9	2.9	100/250	20	15000	0.07	750	B,C,D
CT0402QWF-3N9	3.9	100/250	25	10000	0.07	750	H,J
CT0402QWF-4N1	4.1	100/250	25	10000	0.07	750	H,J
CT0402QWF-4N3	4.3	100/250	25	10000	0.07	750	H,J
CT0402QWF-4N7	4.7	100/250	25	8000	0.07	750	H,J
CT0402QWF-5N1	5.1	100/250	25	8000	0.12	600	H,J
CT0402QWF-5N8	5.8	100/250	25	8000	0.12	700	H,J
CT0402QWF-6N2	6.2	100/250	25	8000	0.09	700	H,J
CT0402QWF-6N8	6.8	100/250	25	6000	0.09	700	H,J
CT0402QWF-7N3	7.3	100/250	25	6000	0.13	570	H,J
CT0402QWF-7N5	7.5	100/250	25	6000	0.13	570	H,J
CT0402QWF-8N2	8.2	100/250	25	5500	0.14	540	H,J
CT0402QWF-8N7	8.7	100/250	25	5500	0.14	540	H,J
CT0402QWF-9N1	9.1	100/250	25	5500	0.14	540	H,J
CT0402QWF-9N5	9.5	100/250	25	5500	0.14	540	H,J
CT0402QWF-10N	10	100/250	25	5500	0.17	500	G,H,J
CT0402QWF-11N	11	100/250	30	5500	0.14	500	G,H,J
CT0402QWF-12N	12	100/250	30	5500	0.14	500	G,H,J
CT0402QWF-13N	13	100/250	25	5000	0.21	430	G,H,J
CT0402QWF-15N	15	100/250	30	5000	0.16	460	G,H,J
CT0402QWF-16N	16	100/250	25	4500	0.24	370	G,H,J
CT0402QWF-18N	18	100/250	25	4500	0.27	370	G,H,J
CT0402QWF-19N	19	100/250	25	4500	0.27	370	G,H,J
CT0402QWF-20N	20	100/250	25	4000	0.27	370	G,H,J
CT0402QWF-22N	22	100/250	25	4000	0.3	310	G,H,J
CT0402QWF-23N	23	100/250	25	3800	0.3	310	G,H,J
CT0402QWF-24N	24	100/250	25	3500	0.52	280	G,H,J
CT0402QWF-27N	27	100/250	25	3500	0.52	280	G,H,J
CT0402QWF-30N	30	100/250	25	3300	0.58	270	G,H,J
CT0402QWF-33N	33	100/250	25	3200	0.63	260	G,H,J
CT0402QWF-36N	36	100/250	25	3100	0.63	260	G,H,J
CT0402QWF-39N	39	100/250	25	3000	0.7	250	G,H,J
CT0402QWF-40N	40	100/250	25	3000	0.7	250	G,H,J
CT0402QWF-47N	47	100/200	25	2900	1.08	210	G,H,J
CT0402QWF-51N	51	100/200	25	2850	1.08	210	G,H,J
CT0402QWF-56N	56	100/200	25	2800	1.17	200	G,H,J
CT0402QWF-62N	62	100/200	20	2600	1.82	145	G,H,J
CT0402QWF-68N	68	100/200	20	2500	1.96	140	G,J
CT0402QWF-72N	72	100/150	20	2500	2.1	135	G,J
CT0402QWF-75N	75	100/150	20	2400	2.1	135	G,J
CT0402QWF-82N	82	100/150	20	2300	2.24	130	G,J
CT0402QWF-91N	91	100/150	20	2100	2.38	125	G,J
CT0402QWF-R10	100	100/150	20	1500	2.52	120	G,J
CT0402QWF-R12	120	100/150	20	1000	2.66	110	G,J

### PHYSICAL DIMENSIONS

Size	A	B	C	D	E	F	G
				Ref.			
mm	1.05±0.05	0.6±0.05	0.5±0.05	0.25	0.4	0.2	0.54
inches	0.041±0.002	0.024±0.002	0.020±0.002	0.010	0.016	0.008	0.021

