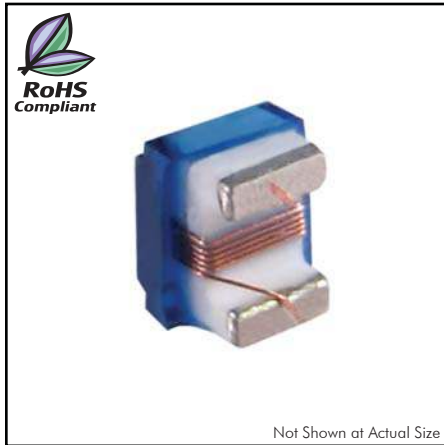


## CT0603QWF Series

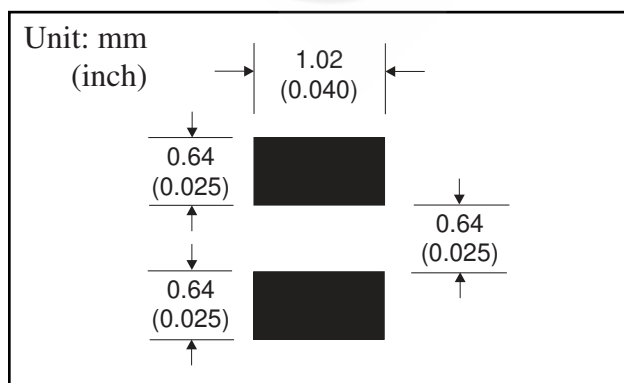
From 2.2nH to 470nH



### 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 marking.
- 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.  
 CT0603QWF-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
CT0603QWF-2N2	2.2	100/250	16	6000	0.049	700	B,C,D
CT0603QWF-3N6	3.6	100/250	25	6000	0.059	850	H,J
CT0603QWF-3N9	3.9	100/250	35	6000	0.059	850	H,J
CT0603QWF-4N3	4.3	100/250	35	6000	0.059	850	H,J
CT0603QWF-4N7	4.7	100/250	35	6000	0.059	850	H,J
CT0603QWF-5N6	5.6	100/250	35	6000	0.082	750	H,J
CT0603QWF-6N2	6.2	100/250	35	6000	0.082	750	H,J
CT0603QWF-6N8	6.8	100/250	35	6000	0.082	750	H,J
CT0603QWF-7N5	7.5	100/250	35	6000	0.082	750	H,J
CT0603QWF-8N2	8.2	100/250	35	6000	0.11	650	H,J
CT0603QWF-8N7	8.7	100/250	35	6000	0.11	650	H,J
CT0603QWF-9N1	9.1	100/250	35	6000	0.11	650	H,J
CT0603QWF-9N5	9.5	100/250	35	6000	0.11	650	H,J
CT0603QWF-10N	10	100/250	35	6000	0.11	650	G,J
CT0603QWF-11N	11	100/250	35	6000	0.11	650	G,J
CT0603QWF-12N	12	100/250	35	6000	0.13	600	G,J
CT0603QWF-13N	13	100/250	35	6000	0.13	600	G,J
CT0603QWF-15N	15	100/250	40	6000	0.13	600	G,J
CT0603QWF-16N	16	100/250	40	5500	0.16	550	G,J
CT0603QWF-18N	18	100/250	40	5500	0.16	550	G,J
CT0603QWF-20N	20	100/250	40	4900	0.16	550	G,J
CT0603QWF-22N	22	100/250	40	4600	0.17	500	G,J
CT0603QWF-24N	24	100/250	40	3800	0.21	500	G,J
CT0603QWF-27N	27	100/250	40	3700	0.21	440	G,J
CT0603QWF-30N	30	100/250	40	3300	0.23	420	G,J
CT0603QWF-33N	33	100/250	40	3200	0.23	420	G,J
CT0603QWF-36N	36	100/250	40	2900	0.26	400	G,J
CT0603QWF-39N	39	100/250	40	2800	0.26	400	G,J
CT0603QWF-43N	43	100/200	40	2700	0.29	380	G,J
CT0603QWF-47N	47	100/200	38	2600	0.29	380	G,J
CT0603QWF-51N	51	100/200	38	2500	0.33	370	G,J
CT0603QWF-56N	56	100/200	38	2400	0.35	360	G,J
CT0603QWF-62N	62	100/200	38	2300	0.51	280	G,J
CT0603QWF-68N	68	100/200	38	2200	0.38	340	G,J
CT0603QWF-72N	72	100/150	34	2100	0.56	270	G,J
CT0603QWF-75N	75	100/150	34	2050	0.56	270	G,J
CT0603QWF-82N	82	100/150	34	2000	0.6	250	G,J
CT0603QWF-91N	91	100/150	34	1900	0.64	230	G,J
CT0603QWF-R10	100	100/150	34	1800	0.68	220	G,J
CT0603QWF-R11	110	100/150	32	1700	1.2	200	G,J
CT0603QWF-R12	120	100/150	32	1600	1.3	180	G,J
CT0603QWF-R13	130	100/150	32	1450	1.4	170	G,J
CT0603QWF-R15	150	100/150	32	1400	1.5	160	G,J
CT0603QWF-R16	160	100/150	32	1350	2.1	150	G,J
CT0603QWF-R18	180	100/100	25	1300	2.2	140	G,J
CT0603QWF-R20	200	100/100	25	1250	2.4	120	G,J
CT0603QWF-R22	220	100/100	25	1200	2.5	120	G,J
CT0603QWF-R27	270	100/100	30	960	3.4	110	G,J
CT0603QWF-R33	330	100/100	30	800	5.5	85	G,J
CT0603QWF-R39	390	100/100	30	800	6.2	80	G,J
CT0603QWF-R47	470	100/100	30	700	7	75	G,J

### PHYSICAL DIMENSIONS

Size	A	B	C	D	E	F	G
mm	1.6 <sup>+0.2</sup> <sub>-0.1</sub>	1.02±0.1	0.82 <sup>+0.2</sup> <sub>-0.1</sub>	0.35	0.70	0.30	0.95
inches	0.063 <sup>+0.008</sup> <sub>-0.004</sub>	0.040±0.004	0.032 <sup>+0.008</sup> <sub>-0.004</sub>	0.014	0.028	0.012	0.037

