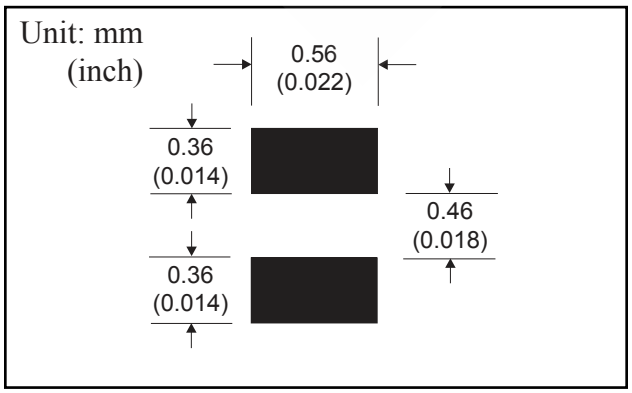
CT0402QWF Series
From 1.5nH to 120nH

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 Ref.	E	F	G
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