

SMD Wire Wound Ceramic Chip Inductors

Electrical Characteristics

Part Number	Inductance (nH)	Test Frequency (MHz)	Tolerance (±%)	Q Min	SRF Min (MHz)	Rdc Max ()	Irms Max (mA)	900 MHz		1.7 GHz		Color
								L Typ	Q Typ	L Typ	Q Typ	
JWC0603T-1N6	1.6	250	10 / 5	24	12500	0.030	700	1.60	49	1.58	63	Red
JWC0603T-1N8	1.8	250	10 / 5	16	12500	0.045	700	1.60	35	1.66	50	Black
JWC0603T-3N6	3.6	250	10 / 5	22	5900	0.063	700	3.70	53	3.71	65	Red
JWC0603T-3N9	3.9	250	10 / 5	22	6900	0.080	700	3.95	49	3.96	67	Brown
JWC0603T-4N3	4.3	250	10 / 5	22	5900	0.063	700	4.32	50	4.33	70	Orange
JWC0603T-4N7	4.7	250	10 / 5	20	5800	0.116	700	4.72	47	4.75	57	Violet
JWC0603T-5N1	5.1	250	10 / 5	20	5700	0.140	700	4.93	47	4.95	56	Green
JWC0603T-6N3	6.3	250	10 / 5	20	5700	0.140	700	5.50	47	6.1	60	White
JWC0603T-6N8	6.8	250	10 / 5	27	5800	0.110	700	6.75	60	7.1	81	Red
JWC0603T-7N5	7.5	250	10 / 5	28	4800	0.106	700	7.70	60	7.82	65	Brown
JWC0603T-8N2	8.2	250	10 / 5	28	4700	0.109	700	8.30	60	8.50	60	White
JWC0603T-8N7	8.7	250	10 / 5	28	4600	0.109	700	8.86	62	9.32	58	Yellow
JWC0603T-9N5	9.5	250	10 / 5	28	5400	0.135	700	9.70	59	9.92	61	Blue
JWC0603T-10N	10	250	10 / 5 / 2	31	4800	0.130	700	10.0	66	10.6	83	Orange
JWC0603T-11N	11	250	10 / 5 / 2	33	4000	0.086	700	11.0	53	11.5	56	Gray
JWC0603T-12N	12	250	10 / 5 / 2	35	4000	0.130	700	12.3	72	13.5	83	Yellow
JWC0603T-15N	15	250	10 / 5 / 2	35	4000	0.170	700	15.4	64	16.8	89	Green
JWC0603T-16N	16	250	10 / 5 / 2	34	3300	0.104	700	16.2	55	17.3	52	White
JWC0603T-18N	18	250	10 / 5 / 2	35	3100	0.170	700	18.7	70	21.4	69	Blue
JWC0603T-22N	22	250	10 / 5 / 2	38	3000	0.190	700	22.8	73	26.1	71	Violet
JWC0603T-24N	24	250	10 / 5 / 2	37	2650	0.135	700	24.5	45	28.7	39	Black
JWC0603T-27N	27	250	10 / 5 / 2	40	2800	0.220	600	29.2	74	34.6	65	Gray
JWC0603T-30N	30	250	10 / 5 / 2	37	2250	0.144	600	31.4	47	39.9	28	Brown
JWC0603T-33N	33	250	10 / 5 / 2	40	2300	0.220	600	36.0	67	49.5	42	White
JWC0603T-36N	36	250	10 / 5 / 2	38	2080	0.250	600	39.4	47	52.7	24	Red
JWC0603T-39N	39	250	10 / 5 / 2	40	2200	0.250	600	42.7	60	60.2	40	Black
JWC0603T-43N	43	250	10 / 5 / 2	39	2000	0.280	600	47.0	44	64.9	21	Orange
JWC0603T-47N	47	200	10 / 5 / 2	38	2000	0.280	600	52.2	62	77.2	35	Brown
JWC0603T-56N	56	200	10 / 5 / 2	38	1900	0.310	600	62.5	56	97	26	Red
JWC0603T-68N	68	200	10 / 5 / 2	37	1700	0.340	600	80.5	54	168	21	Orange
JWC0603T-72N	72	150	10 / 5 / 2	34	1700	0.490	400	82.0	53	135	20	Yellow
JWC0603T-82N	82	150	10 / 5 / 2	34	1700	0.540	400	96.2	54	177	21	Green
JWC0603T-R10	100	150	10 / 5 / 2	34	1400	0.580	400	124	49			Blue
JWC0603T-R11	110	150	10 / 5 / 2	32	1350	0.610	300	138	43			Violet
JWC0603T-R12	120	150	10 / 5 / 2	32	1300	0.750	300	166	39			Gray
JWC0603T-R15	150	150	10 / 5 / 2	28	990	0.920	280	250	25			White
JWC0603T-R18	180	100	10 / 5 / 2	25	990	1.250	240	305	22			Black
JWC0603T-R22	220	100	10 / 5 / 2	25	900	2.100	200	480	8			Brown
JWC0603T-R27	270	100	10 / 5 / 2	24	900	2.300	170	980	4			Red

- Tolerance : G = ±2% , J = ±5% , K = ±10%
- Packaging: Clear tape and reel {standard}
- L /Q: Agilent/HP4291A+Agilent/HP16193A
- SRF: Agilent/HP8753D / Agilent/HP4291A
- RDC: CH502BC HP4338B
- Irms for a 15 rise above 25 ambient.
- Operating temperature range from -40 to 125