

OWCWI100505

Ceramic & Wire Wound SMD RF chip Inductor

GENERAL SPECIFICATIONS

- Operation Temp: -40°C to 125°C(Including temperature rising)
- Storage ambient condition: 0-40°C and <70%
- Test Frequency : 7.9 to 1000 MHz,
- Temperature rising: 40°C typ. with Irms
- In compliance with RoHS & REACH directives

FEATURES

- Ceramic body Wire wound inductor with High SRFs
- Exceptional Q value at high frequency
- Low DCR
- Low Loss
- High output and low power consumption

APPLICATIONS

- RF products cell phone
- GPS receiver
- Base station
- Repeater
- Wireless LAN / Mouse/ Keyboard/Earphone
- Remote control
- Security system and others RF modules

➤ DIMENSIONS OF OWCWI100505 Ceramic & wire wound SMD RF chip inductor

OW Series	A (mm) (Inch)	B (mm) (Inch)	C (mm) (Inch)	H (mm) (Inch)	I (mm) (Inch)	J (mm) (Inch)	Remark
	Max.	Max.	Max	Ref	Ref	Ref	Cross to Size
OWCWI100505	1.19 (0.470)	0.66 (0.026)	0.60 (0.024)	0.23 (0.009)	0.66 (0.026)	0.36 (0.014)	04202

➤ ELECTRICAL CHARATERISTICS OF OWCWI100505 Ceramic & Wire Wound SMD RF chip Inductor

OW P/N Size: 1.19x0.7x0.65mm	Product ID	Inductance (nH)	Test Frequency (MHz)	Q Min	DCR (Ω) Max	SRF (GHZ) Min.	Idc(mA) Max
OWCWI100505-1N0	1N0	1.0	250	10	0.045	12.90	1360
OWCWI100505-1N3	1N3	1.3	250	8	0.150	12.90	900
OWCWI100505-1N5	1N5	1.5	250	8	0.150	12.90	800

OWCWI100505-1N8	1N8	1.8	250	20	0.070	12.00	1040
OWCWI100505-1N9	1N9	1.9	250	20	0.070	11.30	1040
OWCWI100505-2N0	2N0	2.0	250	23	0.090	11.10	1040
OWCWI100505-2N2	2N2	2.2	250	22	0.090	10.80	960
OWCWI100505-2N4	2N4	2.4	250	22	0.090	10.50	790
OWCWI100505-2N6	2N6	2.6	250	12	0.170	10.40	400
OWCWI100505-2N7	2N7	2.7	250	12	0.170	10.40	400
OWCWI100505-2N9	2N9	2.9	250	8	0.250	8.00	400
OWCWI100505-3N0	3N0	3	250	24	0.076	7.00	840
OWCWI100505-3N3	3N3	3.3	250	24	0.076	7.00	840
OWCWI100505-3N6	3N6	3.6	250	24	0.076	6.80	840
OWCWI100505-3N9	3N9	3.9	250	24	0.076	6.00	840
OWCWI100505-4N1	4N1	4.1	250	22	0.091	6.00	700
OWCWI100505-4N3	4N3	4.3	250	22	0.091	6.00	700
OWCWI100505-4N7	4N7	4.7	250	20	0.130	4.77	640
OWCWI100505-5N1	5N1	5.1	250	23	0.110	4.80	800
OWCWI100505-5N6	5N6	5.6	250	25	0.110	4.80	760
OWCWI100505-5N8	5N8	5.8	250	25	0.110	4.80	760
OWCWI100505-6N2	6N2	6.2	250	25	0.110	4.80	760
OWCWI100505-6N8	6N8	6.8	250	24	0.120	4.80	680
OWCWI100505-7N2	7N2	7.2	250	25	0.120	4.80	680
OWCWI100505-7N3	7N3	7.3	250	25	0.120	4.80	680
OWCWI100505-7N5	7N5	7.5	250	25	0.150	4.80	680
OWCWI100505-8N2	8N2	8.2	250	25	0.150	4.40	680
OWCWI100505-8N7	8N7	8.7	250	25	0.200	4.10	480
OWCWI100505-9N0	9N0	9	250	25	0.150	4.16	680
OWCWI100505-9N1	9N1	9.1	250	25	0.150	4.16	680
OWCWI100505-9N5	9N5	9.5	250	24	0.200	4.00	480
OWCWI100505-10N	10N	10	250	24	0.200	3.90	480
OWCWI100505-11N	11N	11	250	26	0.120	3.68	640
OWCWI100505-12N	12N	12	250	26	0.120	3.60	640
OWCWI100505-13N	13N	13	250	24	0.210	3.45	440
OWCWI100505-15N	15N	15	250	26	0.170	3.28	560
OWCWI100505-16N	16N	16	250	25	0.250	3.10	560
OWCWI100505-18N	18N	18	250	25	0.230	3.10	420
OWCWI100505-19N	19N	19	250	26	0.240	3.04	480
OWCWI100505-20N	20N	20	250	26	0.250	3.00	420
OWCWI100505-22N	22N	22	250	25	0.300	2.80	400
OWCWI100505-23N	23N	23	250	25	0.300	2.72	400
OWCWI100505-24N	24N	24	250	25	0.350	2.70	400
OWCWI100505-27N	27N	27	250	25	0.300	2.48	400

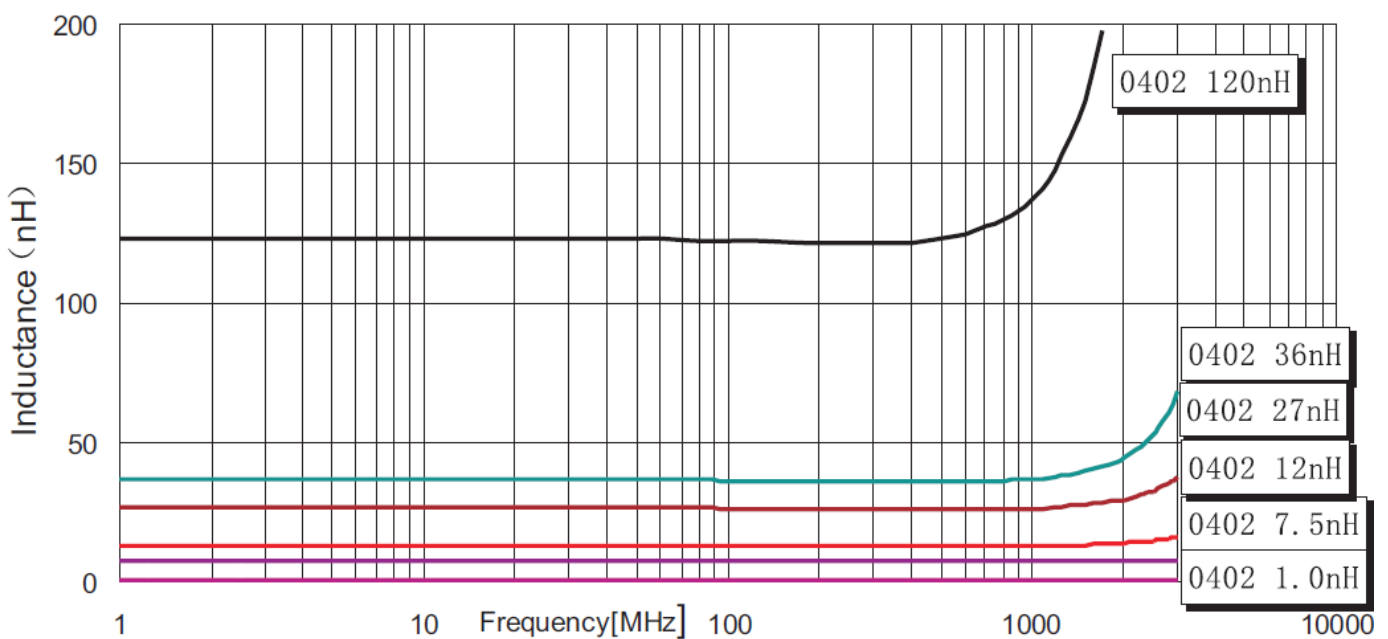


OWCWI100505-30N	30N	30	250	25	0.400	2.35	400
OWCWI100505-33N	33N	33	250	24	0.400	2.35	400
OWCWI100505-36N	36N	36	250	25	0.500	2.32	320
OWCWI100505-39N	39N	39	250	25	0.550	2.10	200
OWCWI100505-40N	40N	40	250	24	0.650	2.24	320
OWCWI100505-43N	43N	43	250	25	0.810	2.03	100
OWCWI100505-47N	47N	47	250	25	0.830	2.10	150
OWCWI100505-51N	51N	51	250	25	0.920	1.75	100
OWCWI100505-56N	56N	56	250	25	0.970	1.76	100
OWCWI100505-62N	62N	62	250	25	1.400	1.62	100
OWCWI100505-68N	68N	68	250	25	1.500	1.62	100
OWCWI100505-72N	72N	72	250	25	1.700	1.26	50
OWCWI100505-75N	75N	75	250	25	1.750	1.26	50
OWCWI100505-77N	77N	77	250	25	1.750	1.26	50
OWCWI100505-82N	82N	82	250	25	1.800	1.26	50
OWCWI100505-91N	91N	91	250	24	2.200	1.16	30
OWCWI100505-R10	R10	100	250	24	2.500	1.16	30
OWCWI100505-R11	R11	110	250	24	2.600	1.15	30
OWCWI100505-R12	R12	120	250	24	2.200	1.10	30
OWCWI100505-R15	R15	150	250	10	4.000	1.00	20

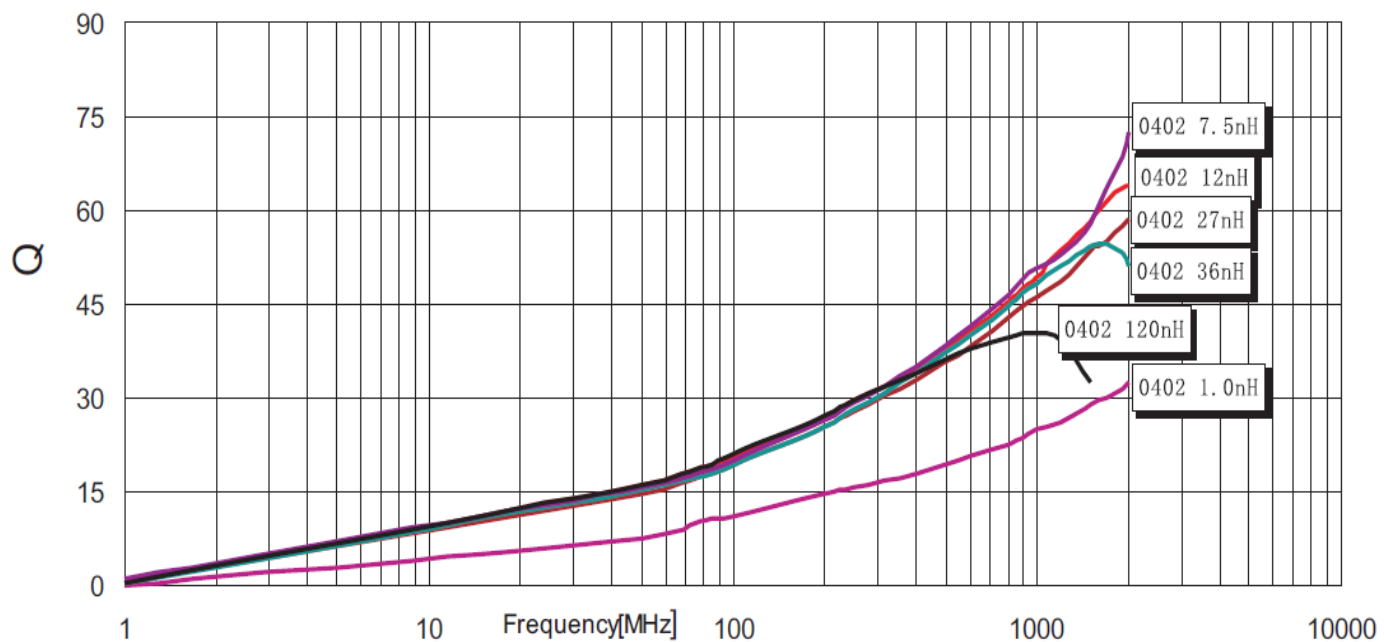
Note:

- 1) Inductance Tolerance : : J=±5%, K=±10%, M=±20%
- 2) Please contact sales if your requirement is beyond the list by ow@owloff.com

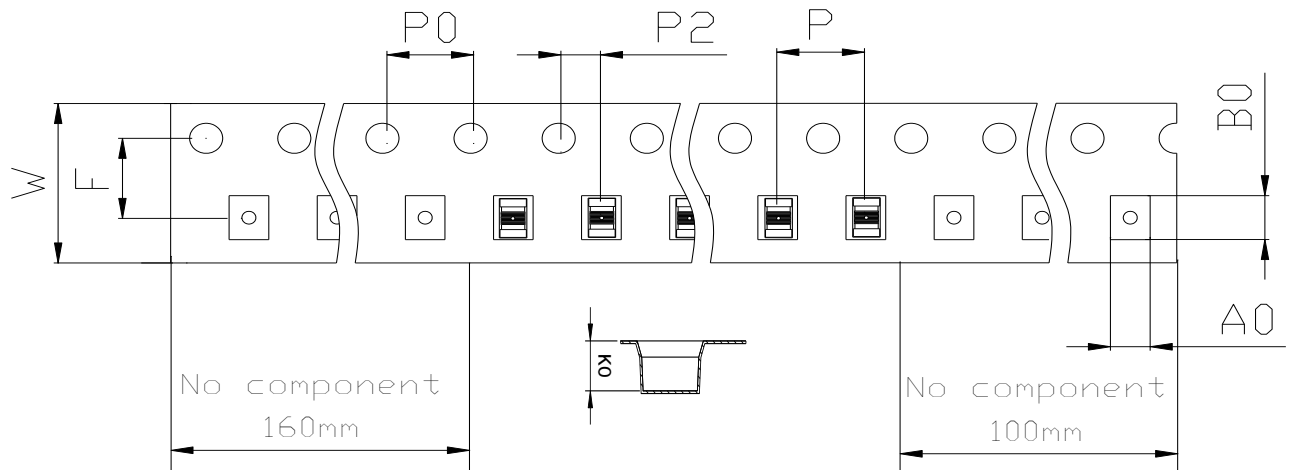
➤ **L VS. FREQUENCY CURVE OF OWCWI100505 Ceramic & Wire Wound SMD RF chip Inductor**



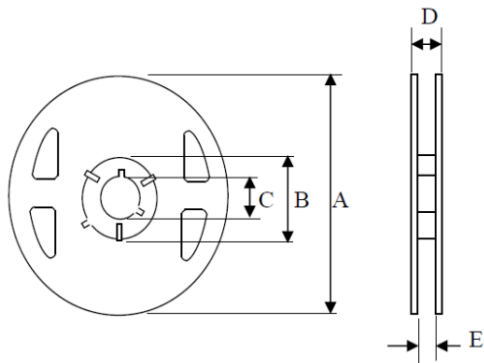
➤ Q VS. FREQUENCY CURVE OF OWCWI100505 Ceramic & Wire Wound SMD RF chip Inductor



➤ **PACKAGING OF OWCWI100505 Ceramic & Wire Wound SMD RF chip Inductor**



OW P/N	W	A0	B0	K0	P	P0	P2	F
OWCWI100505	8.00	0.74	1.23	0.75	4.00	4.00	2.00	3.50



OW P/N	A	B	C	D	E	Reel(Pcs)
OWCWI100505	180	60.0	13.0	14.4	8.40	10000

