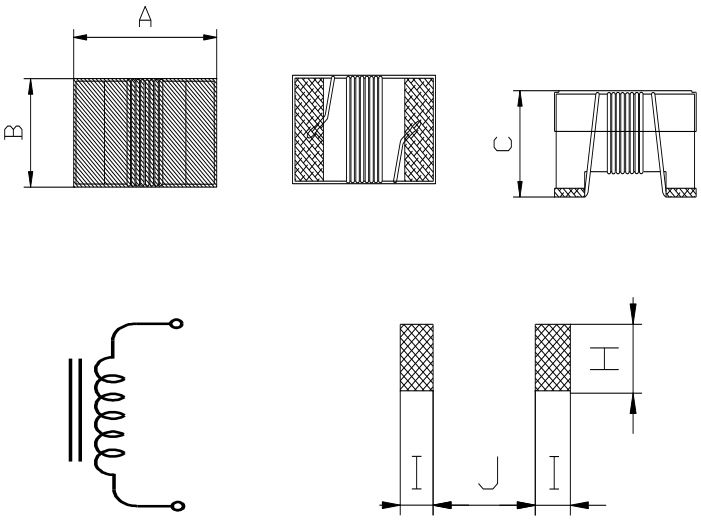
OLE WOLFF

OWCWI201209
Ceramic & Wire Wound SMD RF chip Inductor



GENERAL SPECIFICATIONS

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

FEATURES

- Ceramic body Wire wound instruction 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 OWCWI201209 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
OWCWI201209	2.30 (0.091)	1.70 (0.067)	1.52 (0.060)	0.50 (0.020)	1.78 (0.070)	1.02 (0.040)	0805

➢ ELECTRICAL CHARATERISTICS OF OWCWI201209 Ceramic & Wire Wound SMD RF chip Inductor

OW P/N Size: 2.29x1.73x1.52mm	Product ID	Inductance (nH)	Test Frequency (MHz)	Q Min	DCR (Ω) Max	SRF (GHZ) Min.	Idc(mA) Max
OWCWI201209-2N2	2N2	2.2	250	50	0.06	7900	800
OWCWI201209-2N7	2N7	2.7	250	50	0.06	7900	800
OWCWI201209-3N0	3N0	3.0	250	40	0.06	7900	800
OWCWI201209-3N3	3N3	3.3	250	40	0.08	7900	600

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OWCWI201209-3N6	3N6	3.6	250	20	0.20	7900	200
OWCWI201209-3N9	3N9	3.9	250	20	0.20	7900	150
OWCWI201209-4N7	4N7	4.7	250	35	0.08	6200	600
OWCWI201209-5N1	5N1	5.1	250	50	0.08	6200	600
OWCWI201209-5N6	5N6	5.6	250	65	0.08	5900	600
OWCWI201209-6N2	6N2	6.2	250	65	0.08	5900	600
OWCWI201209-6N8	6N8	6.8	250	50	0.11	5600	600
OWCWI201209-7N5	7N5	7.5	250	50	0.14	4800	600
OWCWI201209-8N2	8N2	8.2	250	50	0.12	4400	600
OWCWI201209-9N1	9N1	9.1	250	60	0.10	4300	600
OWCWI201209-10N	10N	10	250	60	0.10	4300	600
OWCWI201209-12N	12N	12	250	50	0.15	4000	600
OWCWI201209-15N	15N	15	250	50	0.17	3200	600
OWCWI201209-16N	16N	16	250	50	0.17	3200	600
OWCWI201209-18N	18N	18	250	50	0.20	3100	600
OWCWI201209-20N	20N	20	250	55	0.22	2600	500
OWCWI201209-22N	22N	22	250	55	0.22	2600	500
OWCWI201209-23N	23N	23	250	50	0.22	2400	500
OWCWI201209-24N	24N	24	250	50	0.22	2400	500
OWCWI201209-25N	25N	25	250	50	0.22	2450	500
OWCWI201209-27N	27N	27	250	55	0.25	2580	500
OWCWI201209-30N	30N	30	250	55	0.25	2400	500
OWCWI201209-33N	33N	33	250	60	0.27	2150	500
OWCWI201209-36N	36N	36	250	55	0.27	1900	500
OWCWI201209-39N	39N	39	250	60	0.29	1850	500
OWCWI201209-43N	43N	43	200	60	0.34	1800	500
OWCWI201209-47N	47N	47	200	60	0.31	1700	500
OWCWI201209-50N	50N	50	200	60	0.34	1650	500
OWCWI201209-56N	56N	56	200	60	0.34	1600	500
OWCWI201209-62N	62N	62	200	60	0.36	1450	500
OWCWI201209-64N	64N	64	200	60	0.38	1500	500
OWCWI201209-68N	68N	68	200	60	0.38	1500	500
OWCWI201209-72N	72N	72	150	60	0.38	1400	500
OWCWI201209-75N	75N	75	150	60	0.40	1400	450
OWCWI201209-78N	78N	78	150	60	0.40	1400	450
OWCWI201209-82N	82N	82	150	65	0.42	1330	400
OWCWI201209-91N	91N	91	150	65	0.48	1330	400
OWCWI201209-R10	R10	100	150	65	0.46	1250	400
OWCWI201209-R11	R11	110	150	50	0.48	1100	400
OWCWI201209-R12	R12	120	150	50	0.51	1100	400
OWCWI201209-R13	R13	130	100	50	0.56	920	400
OWCWI201209-R14	R14	140	100	50	0.56	920	400
OWCWI201209-R15	R15	150	100	50	0.56	920	400

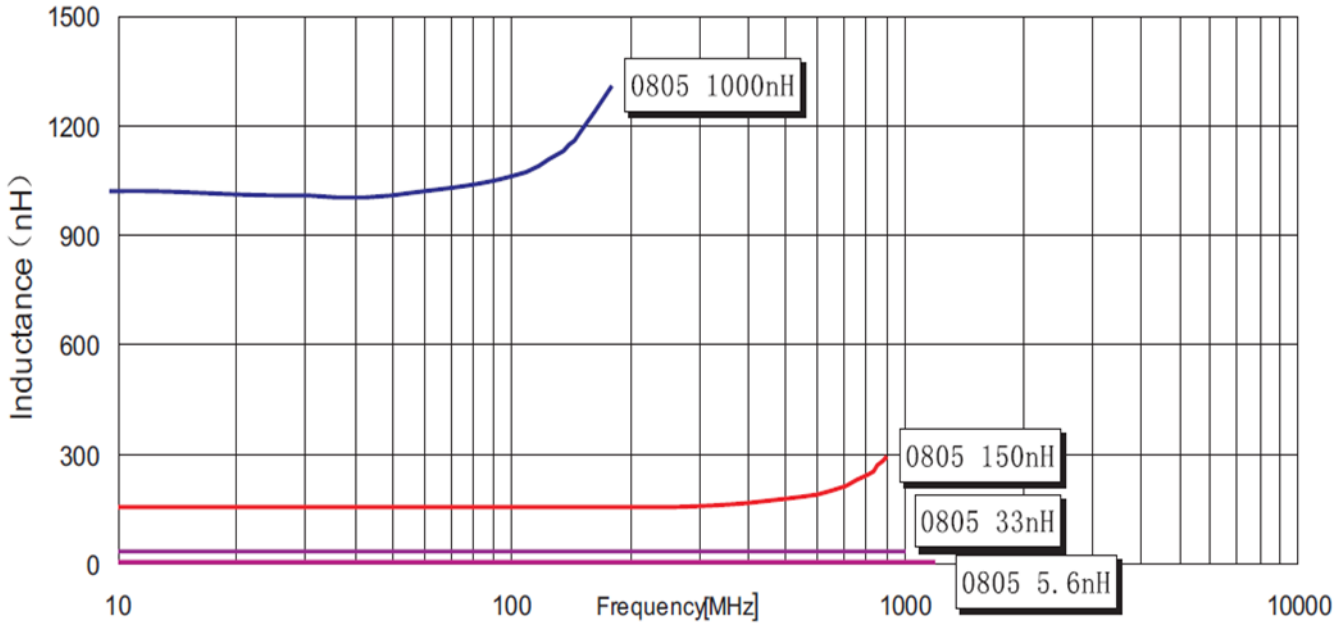
OWCWI201209-R16	R16	160	100	50	0.60	920	400
OWCWI201209-R18	R18	180	100	50	0.64	920	400
OWCWI201209-R20	R20	200	100	50	0.68	860	400
OWCWI201209-R21	R21	210	100	50	0.70	820	400
OWCWI201209-R22	R22	220	100	50	0.70	820	400
OWCWI201209-R24	R24	240	100	44	1.00	770	350
OWCWI201209-R25	R25	250	100	45	1.20	750	350
OWCWI201209-R27	R27	270	100	48	1.00	730	350
OWCWI201209-R28	R28	280	100	48	1.35	550	350
OWCWI201209-R29	R29	290	150	48	1.40	450	310
OWCWI201209-R30	R30	300	150	48	1.40	450	310
OWCWI201209-R33	R33	330	100	48	1.40	650	310
OWCWI201209-R36	R36	360	100	48	1.45	630	300
OWCWI201209-R39	R39	390	100	48	1.50	600	290
OWCWI201209-R42	R42	420	50	33	1.70	425	250
OWCWI201209-R43	R43	430	50	33	1.70	425	250
OWCWI201209-R47	R47	470	50	33	1.76	375	250
OWCWI201209-R56	R56	560	25	23	1.90	330	230
OWCWI201209-R62	R62	620	25	23	2.20	320	210
OWCWI201209-R68	R68	680	25	23	2.20	310	190
OWCWI201209-R75	R75	750	25	23	2.30	310	180
OWCWI201209-R82	R82	820	25	23	2.35	310	180
OWCWI201209-R88	R88	880	25	23	2.35	310	180
OWCWI201209-R91	R91	910	25	22	2.45	250	170
OWCWI201209-1R0	1R0	1000	25	20	2.50	220	170
OWCWI201209-1R2	1R2	1200	25	20	2.90	180	150
OWCWI201209-1R5	1R5	1500	25	20	3.30	160	150
OWCWI201209-1R6	1R6	1600	25	20	3.40	140	150
OWCWI201209-1R8	1R8	1800	25	20	3.50	130	120
OWCWI201209-2R2	2R2	2200	25	20	4.50	100	120
OWCWI201209-2R7	2R7	2700	25	18	4.80	80	100
OWCWI201209-3R3	3R3	3300	25	18	6.80	50	50
OWCWI201209-4R7	4R7	4700	25	18	7.00	40	30

Note:

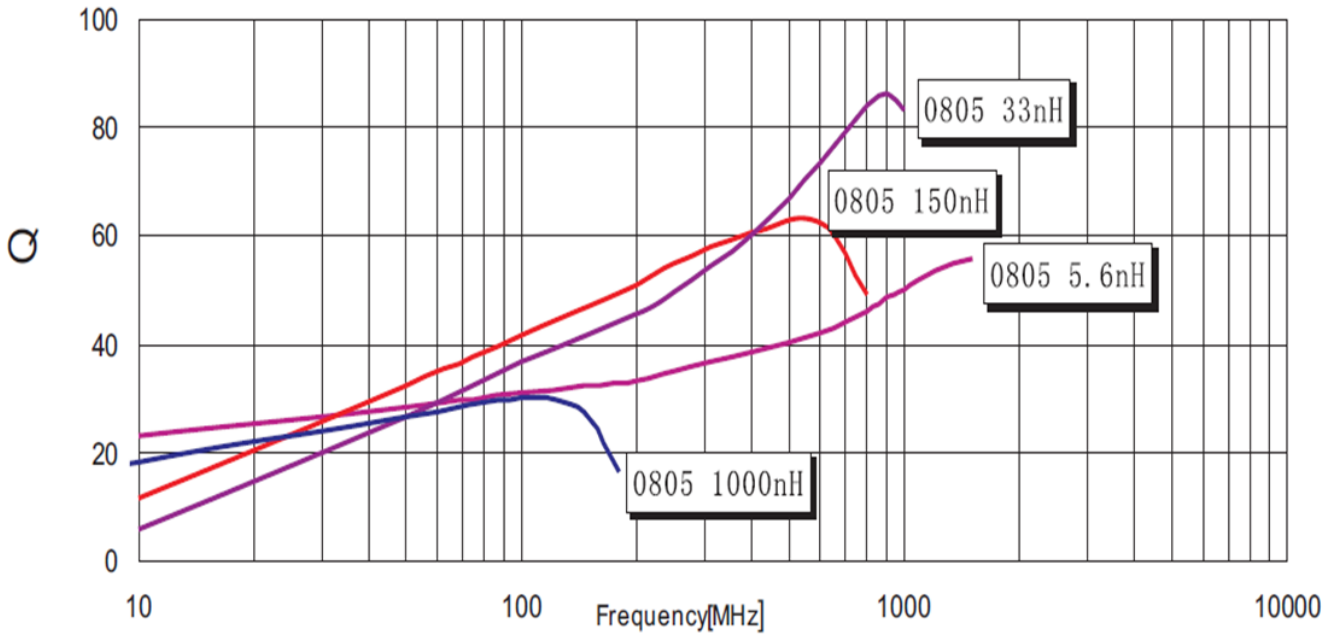
1) Inductance Tolerance : ： J=±5%，K=±10%，M=±20%

2) Please contact sales if your requirement is beyond the list by ow@owolff.com

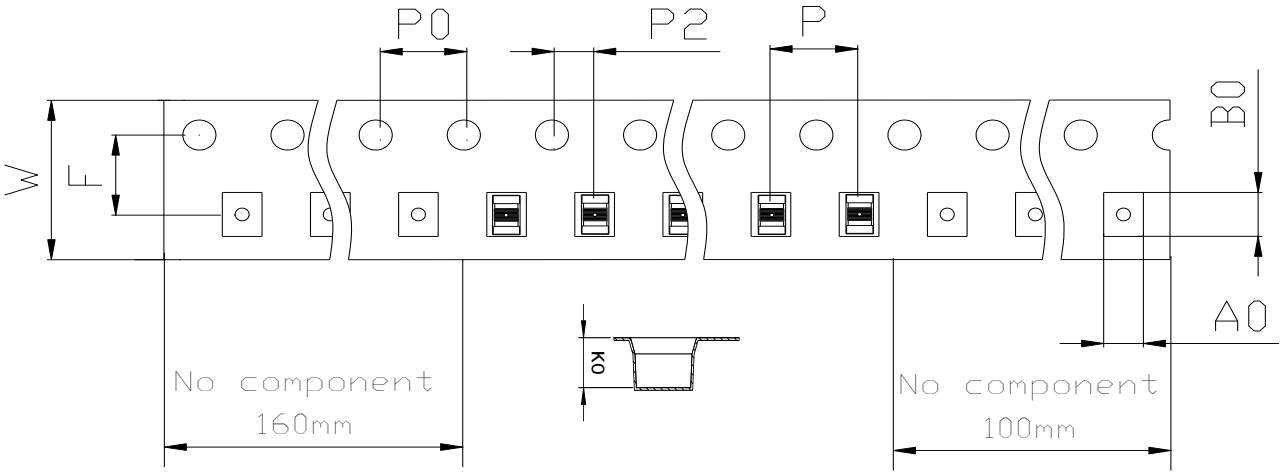
➢ **L Vs. FREQUENCY CURVE OF OWCWI201209 Ceramic & Wire Wound SMD RF chip Inductor**



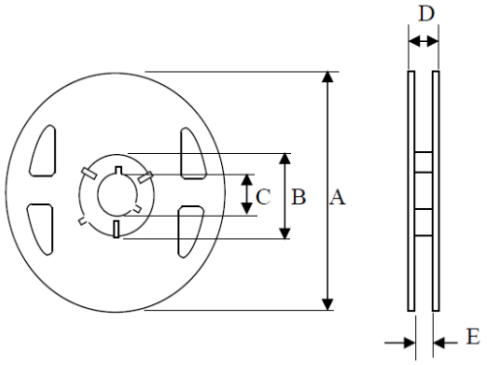
➢ **Q Vs. FREQUENCY CURVE OF OWCWI201209 Ceramic & Wire Wound SMD RF chip Inductor**



➢ PACKAGING OF OWCWI201209 Ceramic & Wire Wound SMD RF chip Inductor



OW P/N	W	A0	B0	K0	P	P0	P2	F
OWCWI201209	8.00	1.85	2.40	1.45	4.00	4.00	2.00	3.50



OW P/N	A	B	C	D	E	Reel(Pcs)
OWCWI201209	180	60.0	13.0	14.4	8.40	2000