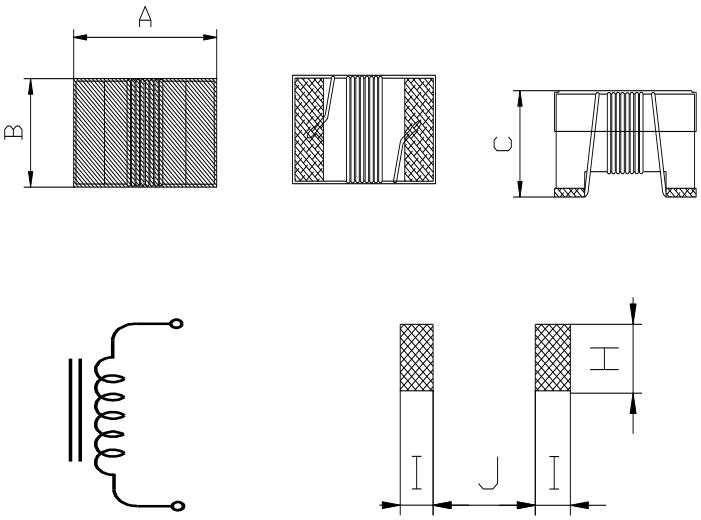
OLE WOLFF

OWCWI160808
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 OWCWI160808 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
OWCWI160808	1.78 (0.070)	1.10 (0.043)	0.95 (0.037)	0.30 (0.012)	1.02 (0.040)	0.64 (0.025)	0603

➢ ELECTRICAL CHARATERISTICS OF OWCWI160808 Ceramic & Wire Wound SMD RF chip Inductor

OW P/N Size: 1.8x1.12x0.95mm	Product ID	Inductance (nH)	Test Frequency (MHz)	Q Min	DCR (Ω) Max	SRF (GHZ) Min.	Idc(mA) Max
OWCWI160808-1N5	1N5	1.5	250	24	0.030	12.50	700
OWCWI160808-1N6	1N6	1.6	250	24	0.030	12.50	700
OWCWI160808-1N8	1N8	1.8	250	16	0.045	12.50	700
OWCWI160808-2N0	2N0	2	250	12	0.250	12.50	700

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OWCWI160808-2N2	2N2	2.2	100	12	0.250	12.50	700
OWCWI160808-2N7	2N7	2.7	250	22	0.045	5.90	700
OWCWI160808-3N3	3N3	3.3	250	22	0.045	5.90	700
OWCWI160808-3N6	3N6	3.6	250	22	0.063	5.90	700
OWCWI160808-3N9	3N9	3.9	250	22	0.080	6.90	700
OWCWI160808-4N3	4N3	4.3	250	22	0.063	5.90	700
OWCWI160808-4N7	4N7	4.7	250	20	0.116	5.80	700
OWCWI160808-5N1	5N1	5.1	250	20	0.140	5.70	700
OWCWI160808-5N6	5N6	5.6	250	26	0.075	4.76	700
OWCWI160808-6N2	6N2	6.2	250	20	0.140	5.70	700
OWCWI160808-6N3	6N3	6.3	250	20	0.140	5.70	700
OWCWI160808-6N8	6N8	6.8	250	27	0.110	5.80	700
OWCWI160808-7N5	7N5	7.5	250	28	0.106	4.80	700
OWCWI160808-8N0	8N0	8	250	28	0.109	4.70	700
OWCWI160808-8N2	8N2	8.2	250	30	0.115	4.20	700
OWCWI160808-8N7	8N7	8.7	250	28	0.109	4.60	700
OWCWI160808-9N1	9N1	9.1	250	28	0.125	5.40	700
OWCWI160808-9N5	9N5	9.5	250	28	0.125	5.40	700
OWCWI160808-10N	10N	10	250	31	0.130	4.80	700
OWCWI160808-11N	11N	11	250	30	0.130	4.00	700
OWCWI160808-12N	12N	12	250	35	0.130	4.00	700
OWCWI160808-13N	13N	13	250	35	0.130	4.00	700
OWCWI160808-15N	15N	15	250	35	0.170	4.00	700
OWCWI160808-16N	16N	16	250	34	0.170	3.30	700
OWCWI160808-18N	18N	18	250	35	0.170	3.10	700
OWCWI160808-20N	20N	20	250	36	0.180	3.00	700
OWCWI160808-22N	22N	22	250	38	0.190	3.00	700
OWCWI160808-23N	23N	23	250	38	0.190	3.00	700
OWCWI160808-24N	24N	24	250	36	0.135	2.65	700
OWCWI160808-27N	27N	27	250	40	0.220	2.80	600
OWCWI160808-30N	30N	30	250	37	0.220	2.25	600
OWCWI160808-33N	33N	33	250	40	0.220	2.30	600
OWCWI160808-36N	36N	36	250	37	0.250	2.08	600
OWCWI160808-39N	39N	39	250	40	0.250	2.20	600
OWCWI160808-43N	43N	43	250	38	0.280	2.00	600
OWCWI160808-47N	47N	47	200	38	0.280	2.00	600
OWCWI160808-51N	51N	51	200	35	0.270	1.90	600
OWCWI160808-56N	56N	56	200	38	0.310	1.90	600
OWCWI160808-60N	60N	60	200	37	0.330	1.80	600
OWCWI160808-62N	62N	62	200	37	0.330	1.80	600
OWCWI160808-68N	68N	68	200	37	0.340	1.70	600

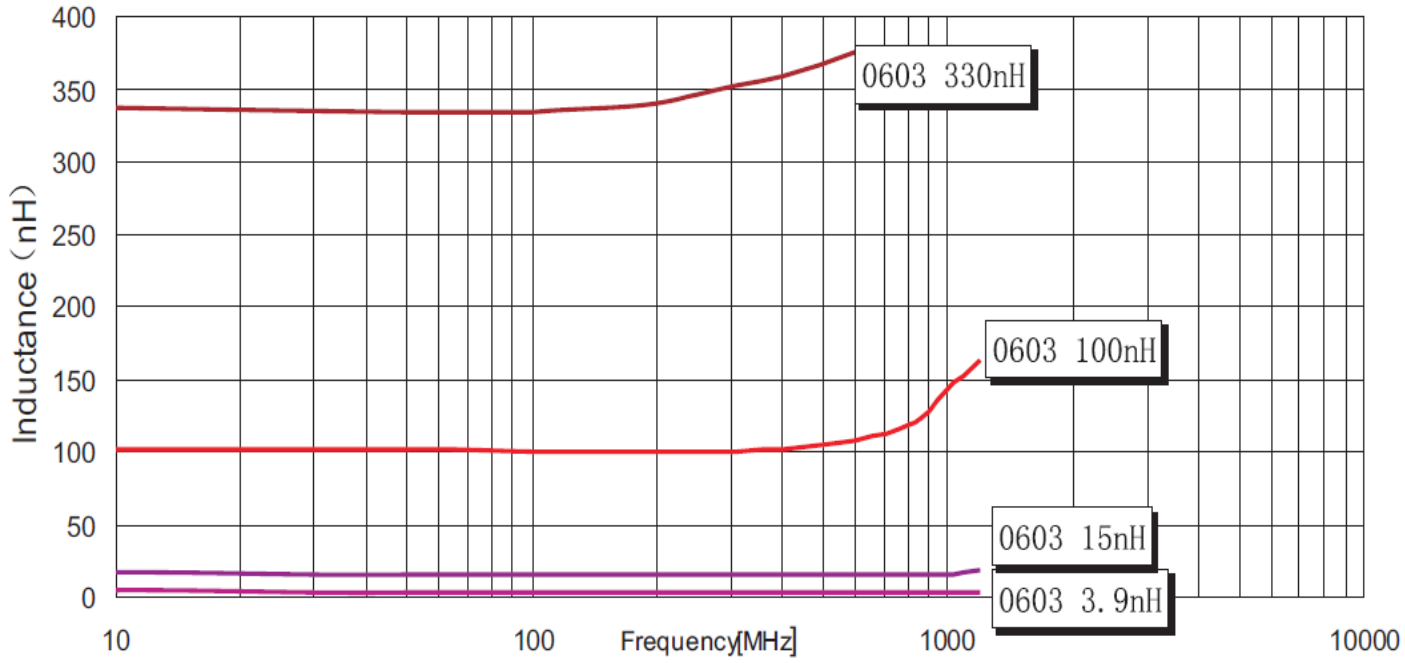
OWCWI160808-72N	72N	72	150	34	0.490	1.70	400
OWCWI160808-75N	75N	75	150	28	0.520	1.70	400
OWCWI160808-82N	82N	82	150	34	0.540	1.70	400
OWCWI160808-85N	85N	85	150	34	0.580	1.70	400
OWCWI160808-91N	91N	91	150	28	0.580	1.60	400
OWCWI160808-R10	R10	100	150	34	0.580	1.40	400
OWCWI160808-R11	R11	110	150	32	0.610	1.35	300
OWCWI160808-R12	R12	120	150	32	0.650	1.30	300
OWCWI160808-R13	R13	130	150	32	0.920	1.15	290
OWCWI160808-R15	R15	150	150	28	0.920	0.99	280
OWCWI160808-R16	R16	160	150	28	1.250	0.99	280
OWCWI160808-R18	R18	180	100	25	1.250	0.99	240
OWCWI160808-R20	R20	200	100	25	1.980	0.90	200
OWCWI160808-R22	R22	220	100	25	2.100	0.90	200
OWCWI160808-R24	R24	240	100	25	2.200	0.90	200
OWCWI160808-R25	R25	250	100	25	2.550	0.88	120
OWCWI160808-R27	R27	270	100	26	2.160	0.83	170
OWCWI160808-R29	R29	290	100	25	3.200	0.80	100
OWCWI160808-R30	R30	300	100	25	2.500	0.79	100
OWCWI160808-R33	R33	330	100	25	3.890	0.79	100
OWCWI160808-R39	R39	390	100	25	4.350	0.78	100
OWCWI160808-R47	R47	470	100	25	4.500	0.70	100
OWCWI160808-R56	R56	560	100	23	5.000	0.60	90

Note:

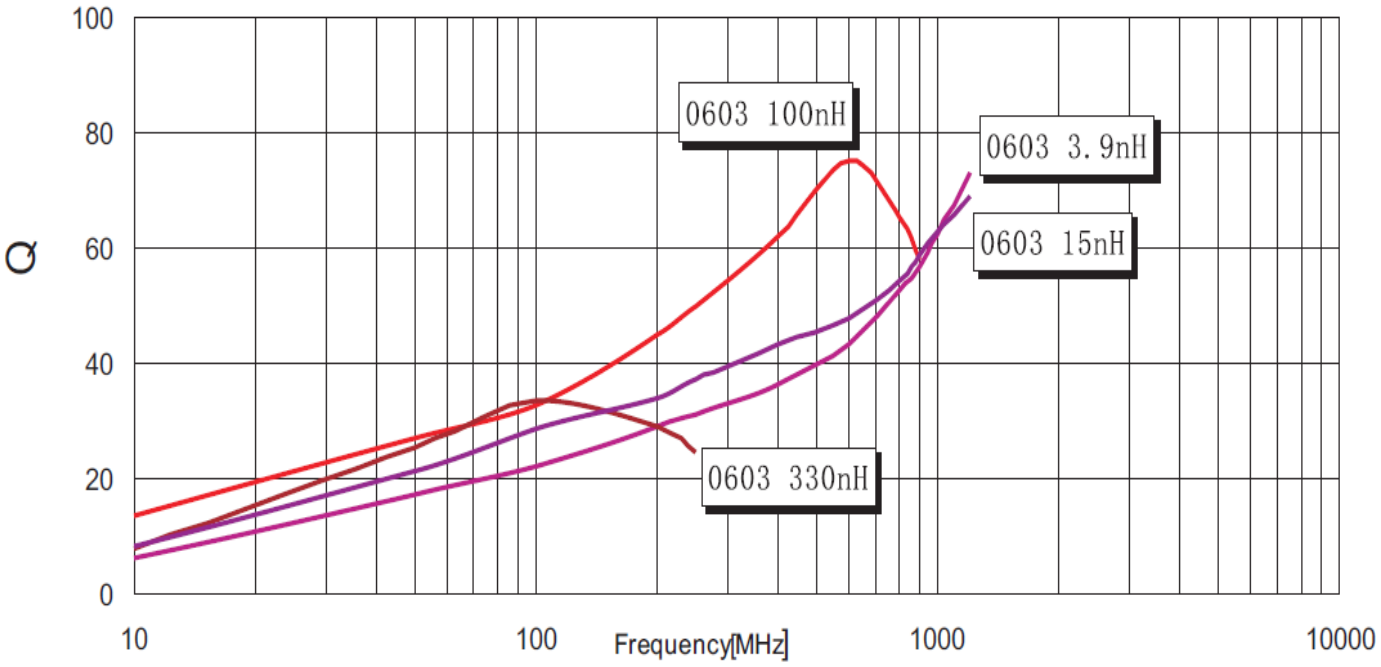
1) Inductance Tolerance : ： J=±5%，K=±10%，M=±20%

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

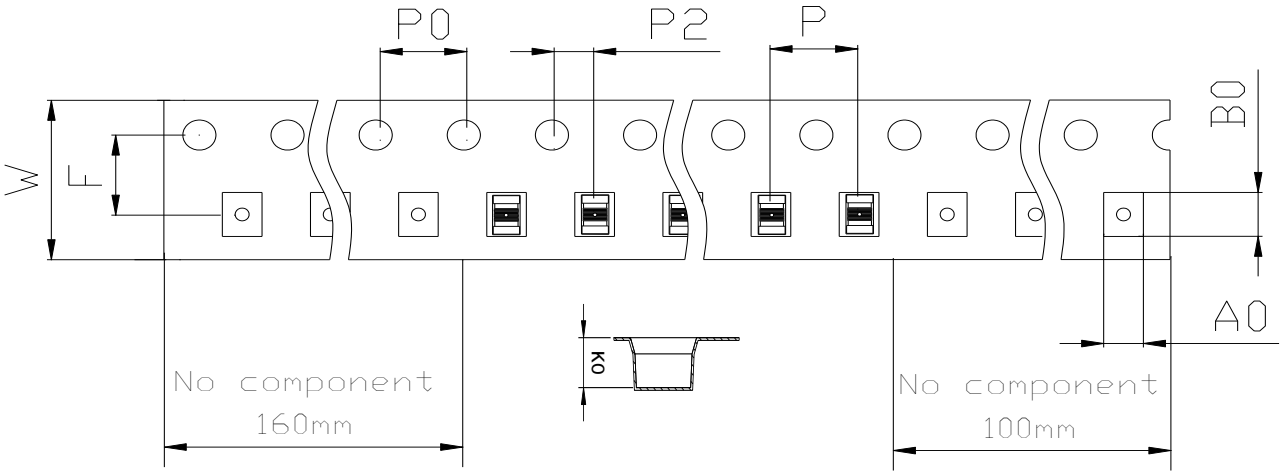
➢ **L Vs. FREQUENCY CURVE OF OWCWI160808 Ceramic & Wire Wound SMD RF chip Inductor**



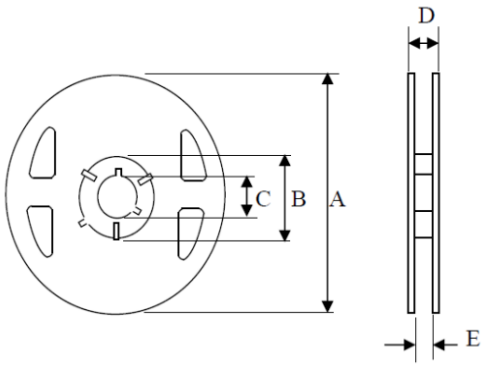
➢ **Q Vs. FREQUENCY CURVE OF OWCWI160808 Ceramic & Wire Wound SMD RF chip Inductor**



➢ PACKAGING OF OWCWI160808 Ceramic & Wire Wound SMD RF chip Inductor



OW P/N	W	A0	B0	K0	P	P0	P2	F
OWCWI160808	8.00	1.15	1.83	0.95	4.00	4.00	2.00	3.50



OW P/N	A	B	C	D	E	Reel(Pcs)
OWCWI160808	180	60.0	13.0	14.4	8.40	4000