

OWCWI252018

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 to 322522 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
OWCWI252018	2.92 (0.115)	2.79 (0.110)	2.10 (0.083)	0.50 (0.020)	2.54 (0.100)	1.02 (0.040)	1008

➤ ELECTRICAL CHARATERISTICS OF OWCWI252018 Ceramic & Wire Wound SMD RF chip Inductor

OW P/N Size: 2.92x2.7x2.23mm	Product ID	Inductance (nH)	Test Frequency (MHz)	Q Min	DCR (Ω) Max	SRF (GHZ) Min.	Idc(mA) Max
OWCWI252018-22N	22N	22	50	55	0.12	2400	1000
OWCWI252018-39N	39N	39	50	60	0.15	1500	1000
OWCWI252018-47N	47N	47	50	65	0.16	1500	1000

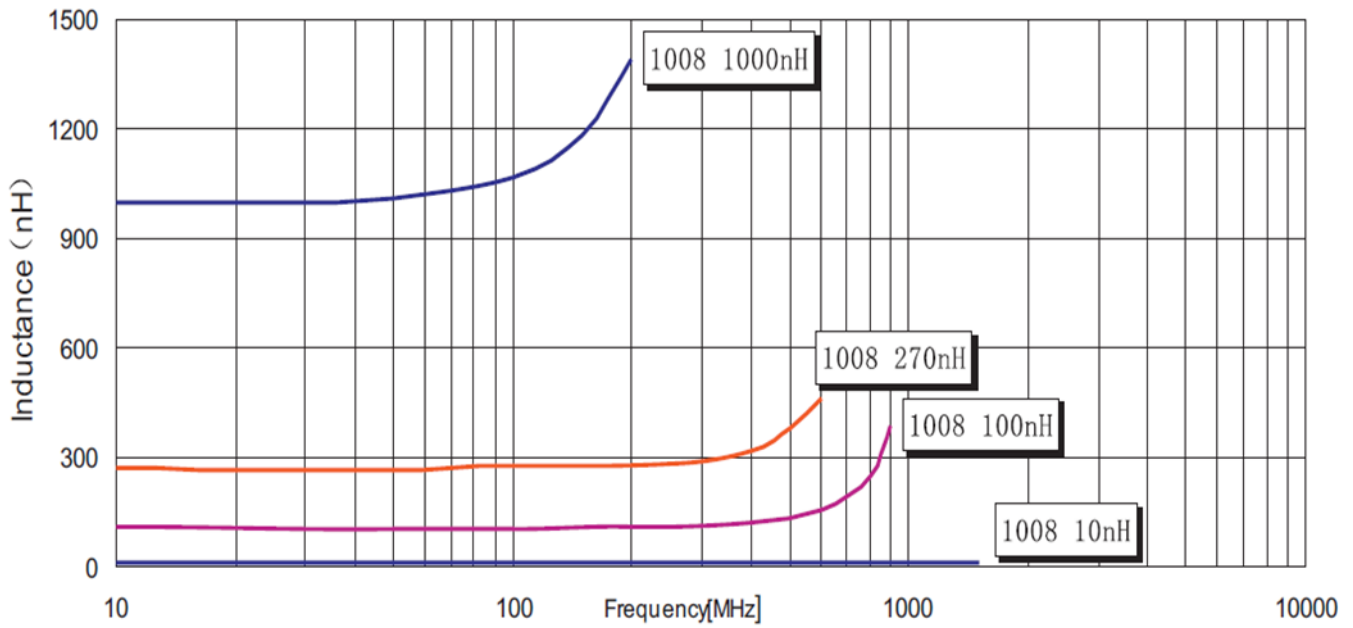
OWCWI252018-56N	56N	56	50	65	0.18	1300	1000
OWCWI252018-68N	68N	68	50	65	0.20	1300	1000
OWCWI252018-91N	91N	91	50	60	0.56	1000	650
OWCWI252018-R10	R10	100	25	60	0.56	1000	650
OWCWI252018-R12	R12	120	25	60	0.63	950	650
OWCWI252018-R15	R15	150	25	45	0.70	850	580
OWCWI252018-R18	R18	180	25	45	0.77	750	620
OWCWI252018-R20	R20	200	25	45	0.84	700	500
OWCWI252018-R22	R22	220	25	45	0.84	700	500
OWCWI252018-R27	R27	270	25	45	0.91	600	500
OWCWI252018-R33	R33	330	25	45	1.05	570	450
OWCWI252018-R39	R39	390	25	45	1.12	500	470
OWCWI252018-R47	R47	470	25	45	1.19	450	470
OWCWI252018-R56	R56	560	25	45	1.33	415	400
OWCWI252018-R68	R68	680	25	45	1.47	375	400
OWCWI252018-R82	R82	820	25	45	1.61	350	400
OWCWI252018-R91	R91	910	25	35	1.68	320	380
OWCWI252018-1R0	1R0	1000	25	35	1.80	290	370
OWCWI252018-1R2	1R2	1200	7.9	35	2.00	250	310
OWCWI252018-1R5	1R5	1500	7.9	28	2.30	200	330
OWCWI252018-1R8	1R8	1800	7.9	28	2.60	160	300
OWCWI252018-2R2	2R2	2200	7.9	28	2.80	160	280
OWCWI252018-2R7	2R7	2700	7.9	22	3.20	140	290
OWCWI252018-3R3	3R3	3300	7.9	22	3.40	110	290
OWCWI252018-3R9	3R9	3900	7.9	20	3.60	100	260
OWCWI252018-4R7	4R7	4700	7.9	20	4.00	60	260
OWCWI252018-5R6	5R6	5600	7.9	16	5.70	20	240
OWCWI252018-6R8	6R8	6800	7.9	18	7.70	40	200
OWCWI252018-8R2	8R2	8200	7.9	18	10.70	25	170
OWCWI252018-100	100	10000	7.9	18	12.70	25	100

Note:

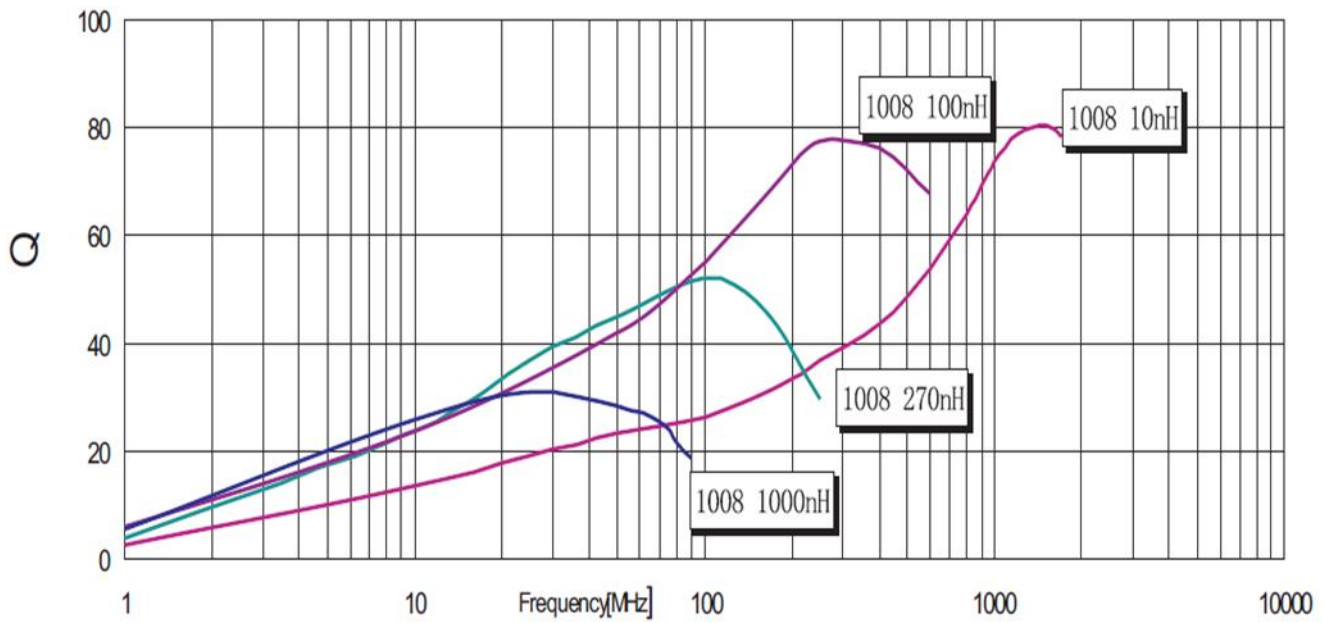
- 1) Inductance Tolerance : : J=±5%, K=±10%, M=±20%
- 2) Please contact sales if your requirement is beyond the list by ow@owolff.com



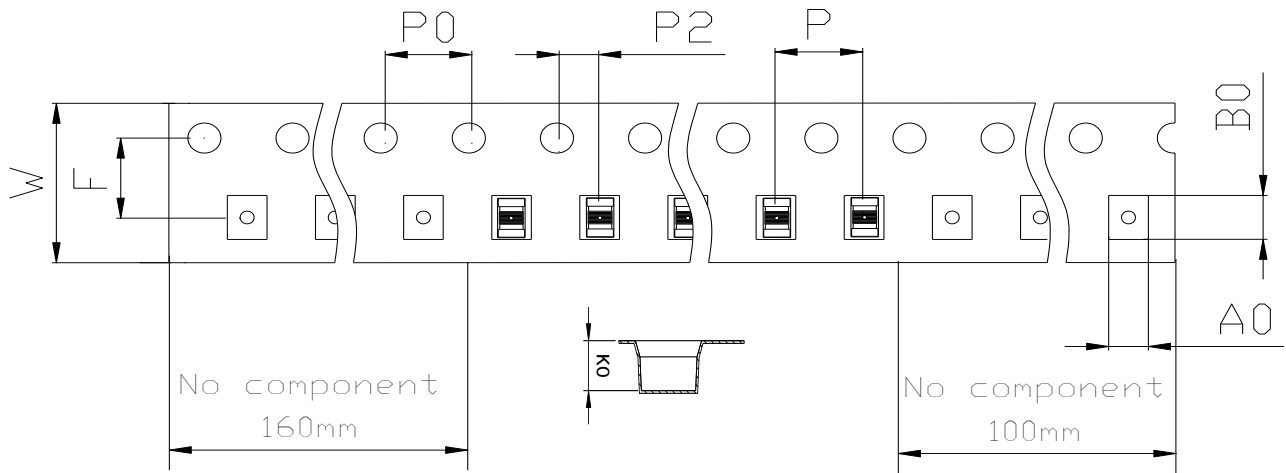
➤ **L Vs. FREQUENCY CURVE OF OWCWI252018 Ceramic & Wire Wound SMD RF chip Inductor**



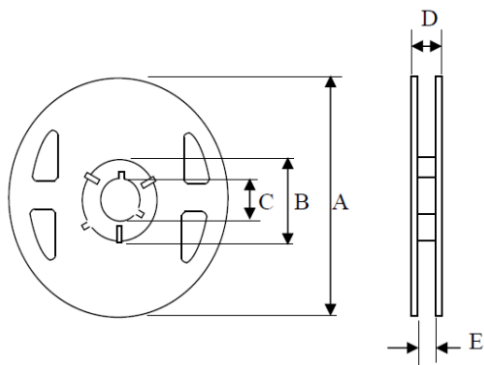
➤ **Q Vs. FREQUENCY CURVE OF OWCWI252018 Ceramic & Wire Wound SMD RF chip Inductor**



➤ **PACKAGING OF OWCWI252018 Ceramic & Wire Wound SMD RF chip Inductor**



OW P/N	W	A0	B0	K0	P	P0	P2	F
OWCWI252018	8.00	2.96	3.60	2.40	4.00	4.00	2.00	3.50



OW P/N	A	B	C	D	E	Reel(Pcs)
OWCWI252018	180	60.0	13.0	14.4	8.40	2000

