

OWCWI322522

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
OWCWI322522	3.50 (0.138)	2.90 (0.114)	2.25 (0.088)	0.50 (0.020)	2.54 (0.100)	1.02 (0.040)	1210

➤ ELECTRICAL CHARATERISTICS OF OWCWI322522 Ceramic & Wire Wound SMD RF chip Inductor

OW P/N Size: 3.5x2.9x2.25mm	Product ID	Inductance (nH)	Test Frequency (MHz)	Q Min	DCR (Ω) Max	SRF (GHZ) Min.	Idc(mA) Max
OWCWI322522-10N	10N	10	100	40	0.08	4000	1000
OWCWI322522-12N	12N	12	100	40	0.08	3200	1000
OWCWI322522-15N	15N	15	100	40	0.20	3200	1000
OWCWI322522-18N	18N	18	100	50	0.10	2800	1000

OWCWI322522-22N	22N	22	100	50	0.10	2200	1000
OWCWI322522-27N	27N	27	100	50	0.11	1800	1000
OWCWI322522-33N	33N	33	100	55	0.11	1800	1000
OWCWI322522-39N	39N	39	100	55	0.12	1500	1000
OWCWI322522-47N	47N	47	100	55	0.13	1500	1000
OWCWI322522-56N	56N	56	100	55	0.14	1450	1000
OWCWI322522-68N	68N	68	100	55	0.15	1200	900
OWCWI322522-82N	82N	82	100	55	0.20	1000	900
OWCWI322522-91N	91N	91	100	60	0.20	1100	1000
OWCWI322522-R10	R10	100	100	55	0.20	900	850
OWCWI322522-R12	R12	120	100	60	0.25	800	800
OWCWI322522-R15	R15	150	100	60	0.30	700	750
OWCWI322522-R18	R18	180	50	60	0.30	650	700
OWCWI322522-R22	R22	220	50	60	0.40	650	770
OWCWI322522-R24	R24	240	50	40	0.40	580	630
OWCWI322522-R27	R27	270	50	40	0.40	580	630
OWCWI322522-R33	R33	330	50	45	0.58	580	590
OWCWI322522-R36	R36	360	50	45	0.58	510	530
OWCWI322522-R39	R39	390	50	45	0.58	510	530
OWCWI322522-R47	R47	470	50	45	1.00	480	490
OWCWI322522-R56	R56	560	25	45	1.10	420	460
OWCWI322522-R68	R68	680	25	45	1.20	400	430
OWCWI322522-R82	R82	820	25	45	2.00	370	400
OWCWI322522-1R0	1R0	1000	25	45	1.85	340	320
OWCWI322522-1R2	1R2	1200	25	45	2.30	220	300
OWCWI322522-1R5	1R5	1500	7.9	20	2.70	160	310
OWCWI322522-1R8	1R8	1800	7.9	30	3.50	160	310
OWCWI322522-2R2	2R2	2200	7.9	25	2.41	130	310
OWCWI322522-2R7	2R7	2700	7.9	25	3.50	110	300
OWCWI322522-3R0	3R0	3000	7.9	20	3.50	110	300
OWCWI322522-3R3	3R3	3300	7.9	20	3.60	60	290
OWCWI322522-3R9	3R9	3900	7.9	20	4.00	60	290
OWCWI322522-4R7	4R7	4700	7.9	20	5.00	60	280
OWCWI322522-5R2	5R2	5200	7.9	15	6.00	50	250
OWCWI322522-5R6	5R6	5600	7.9	15	6.00	50	250
OWCWI322522-6R8	6R8	6800	7.9	15	9.00	40	230
OWCWI322522-7R5	7R5	7500	7.9	20	9.50	50	170
OWCWI322522-8R2	8R2	8200	7.9	20	9.80	50	170

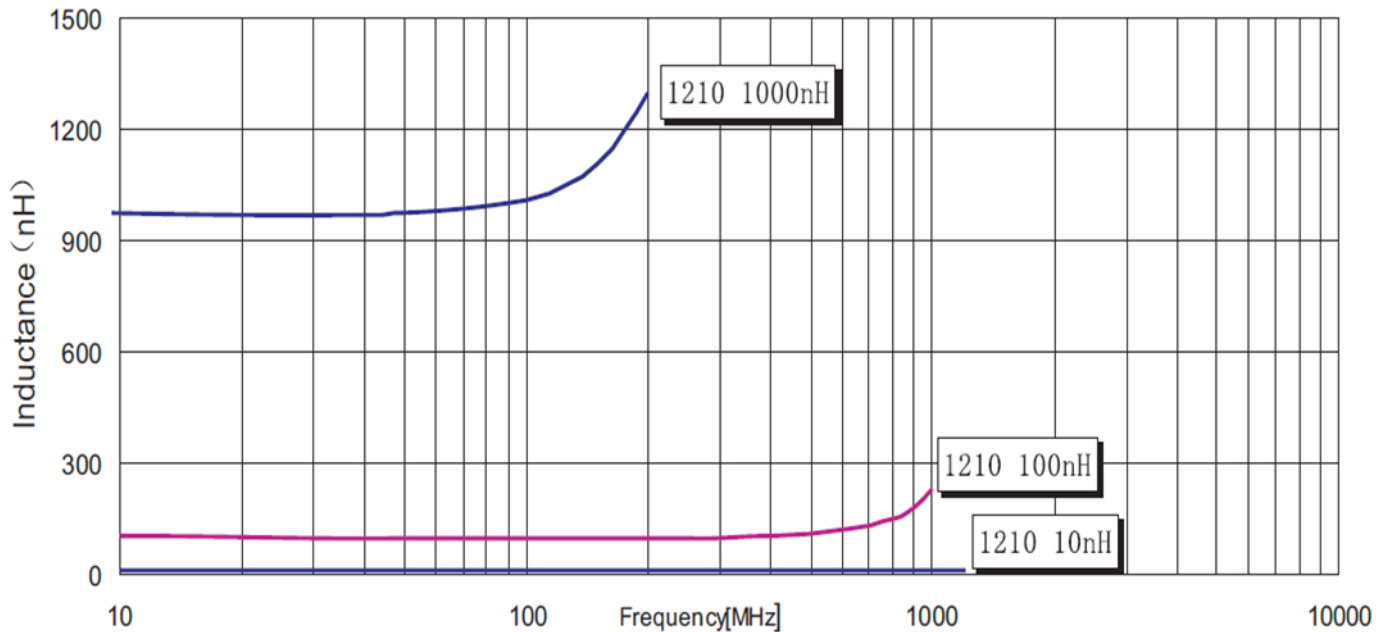


OWCWI322522-8R6	8R6	8600	7.9	15	9.00	40	200
OWCWI322522-100	100	10000	7.9	15	10.00	30	150

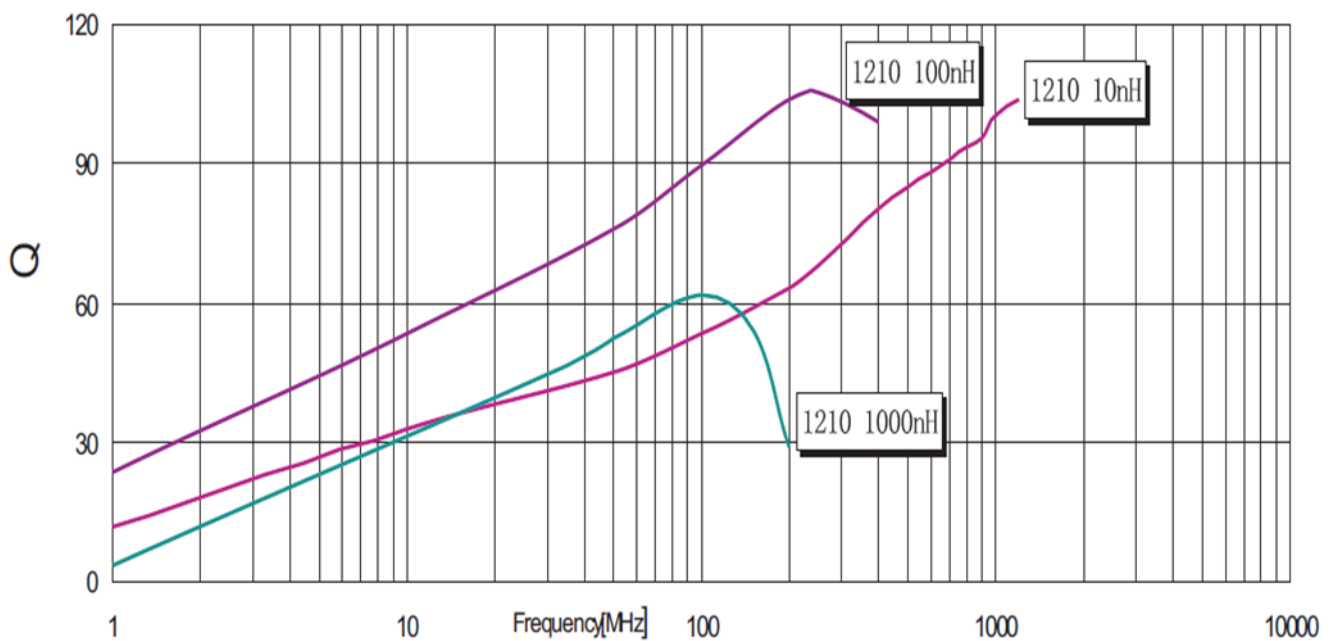
Note:

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

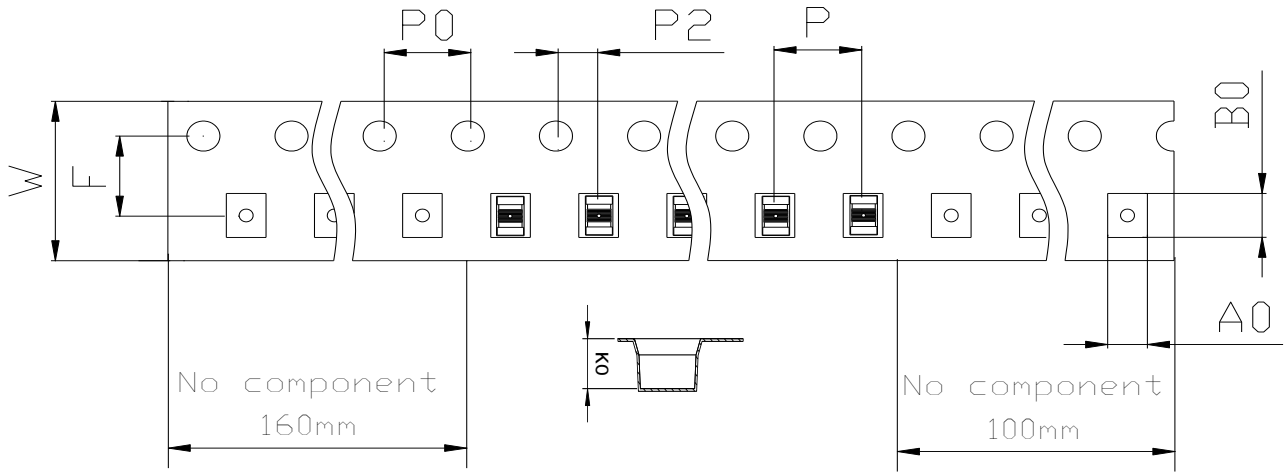
➤ **L Vs. FREQUENCY CURVE OF OWCWI322522 Ceramic & Wire Wound SMD RF chip Inductor**



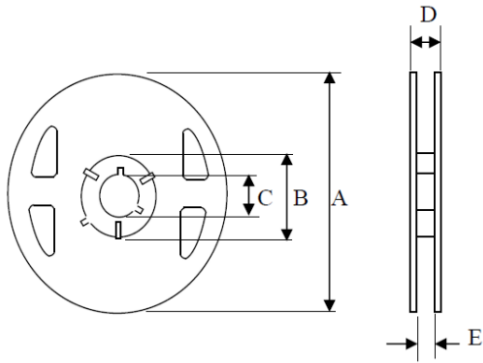
➤ **Q Vs. FREQUENCY CURVE OF OWCWI322522 Ceramic & Wire Wound SMD RF chip Inductor**



➤ **PACKAGING OF OWCWI322522 Ceramic & Wire Wound SMD RF chip Inductor**



OW P/N	W	A0	B0	K0	P	P0	P2	F
OWCWI322522	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)
OWCWI322522	180	60.0	13.0	14.4	8.40	2000

