

## OWFWI160808

### Ferrite & Wire Wound Un-Shielded SMD Chip RF Inductor

#### GENERAL SPECIFICATIONS

- Operation Temp: -40°C to 105°C( Individual chip without packing, No include self-temperature rising)
- Storage ambient condition: 0-40°C and <70%
- Test Frequency : 2.5 -7.9 MHz,
- Test Voltage :50mV
- Resistance of soldering heating: 260°C for 10sec
- Temperature rising: 40°C typ. with I<sub>rms</sub>
- Inductance will drop down 10% typ. at I<sub>sat</sub> loading
- In compliance with RoHS & REACH directives

#### FEATURES

- Ferrite body Wire wound inductor
- Accurate dimensions, SMT process suitable
- Good pulling force after reflow soldering,
- Good for mechanical shocking and pressure
- Highly reliable in environment of temperature & humidity change
- Excellent Q characteristics

#### APPLICATIONS

- Mobile phones
- Video, Cameras, and others electric device
- Bluetooth module
- TWS earphone

#### ➤ DIMENSIONS OF OWFWI160808 Ferrite & wire wound SMD chip RF Un-shielded inductor

OW Series	A (mm) (Inch)	B (mm) (Inch)	C (mm) (Inch)	D (mm) (Inch)	E (mm) (Inch)	H (mm) (Inch)	I (mm) (Inch)	J (mm) (Inch)	Remark
	Max.	Max.	Max	Typ.	Ref	Ref	Ref	Ref	Cross to Size
<b>OWFWI160808</b>	1.80 (0.071)	1.20 (0.047)	1.00 (0.039)	0.92 (0.036)	0.3 (0.012)	1.15 (0.045)	0.64 (0.025)	0.64 (0.025)	0603

➤ **CHARATERISTICS OF OWFWI160808 Ferrite & Wire Wound SMD Chip RF Un-shielded Inductor**

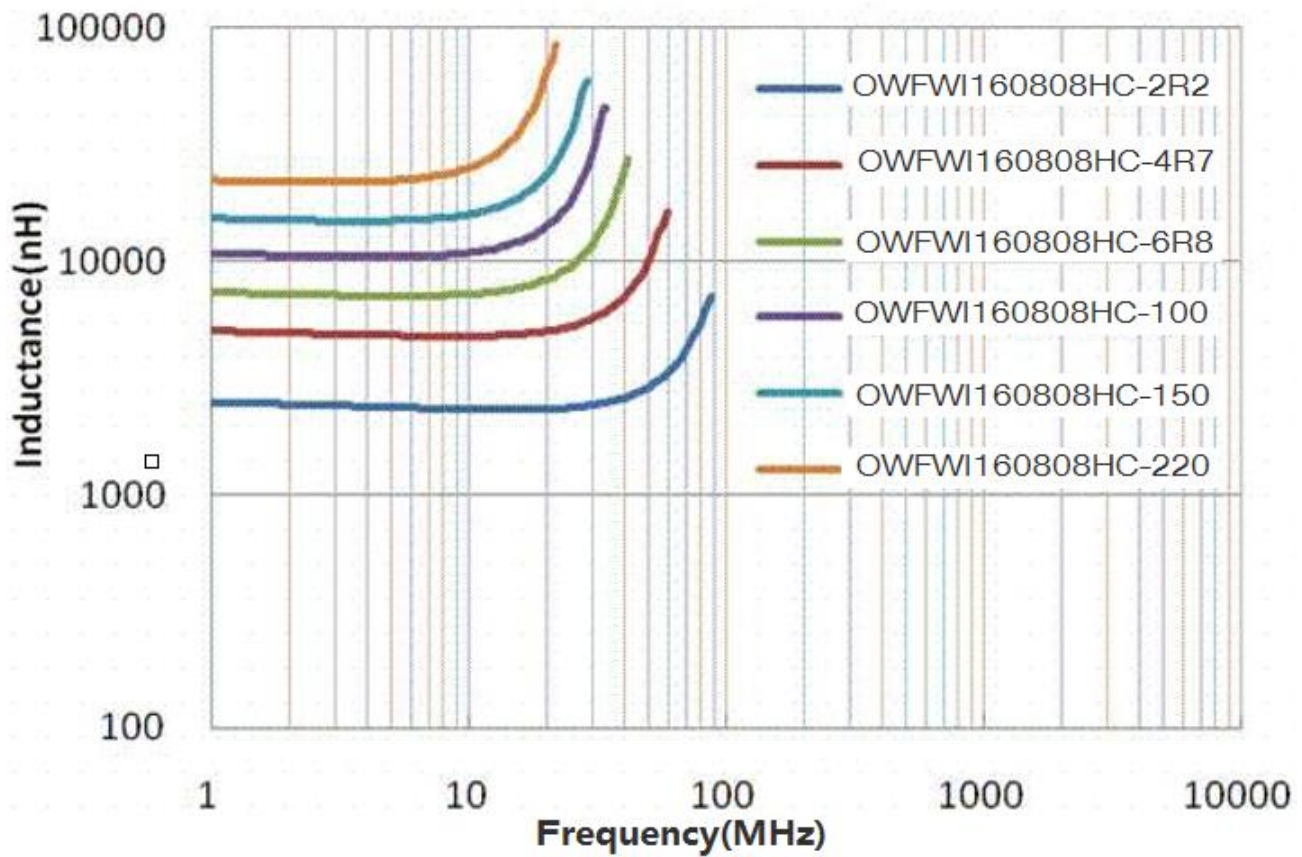
OW P/N Size: 1.8x1.2x1.0mm	Product ID	L (nH)	L Tolerance	Q Typ.	Test Frequency (MHz)	DCR (Ω) Max	Isat (mA) Typ.	Irms (mA) Typ.	SRF (GHZ) Min.	Product Dot
OWFWI160808-1R0	1R0	1	K	16	7.9	0.2	700	860	390	Black
OWFWI160808-2R2	2R2	2.2	K	16	7.9	0.56	600	580	103	Red
OWFWI160808-3R3	3R3	3.3	K	16	7.9	0.7	500	500	66	Green
OWFWI160808-4R7	4R7	4.7	K	16	7.9	0.79	400	420	51	Yellow
OWFWI160808-6R8	6R8	6.8	J.K	16	7.9	1.5	340	340	43	White
OWFWI160808-7R8	7R8	7.8	J.K	16	7.9	1.55	320	320	41	Violet
OWFWI160808-8R2	8R2	8.2	J.K	16	7.9	1.68	300	300	40	Black
OWFWI160808-100	100	10	J.K	14	2.5	1.85	280	280	36	Brown
OWFWI160808-150	150	15	J.K	14	2.5	2.6	240	240	29	Violet
OWFWI160808-220	220	22	J.K	14	2.5	3.6	200	200	24	Gray
OWFWI160808-330	330	33	J.K	14	2.5	6.6	120	120	15	Violet
OWFWI160808-470	470	47	J.K	14	2.5	9.8	80	60	10	Blue

**Note:**

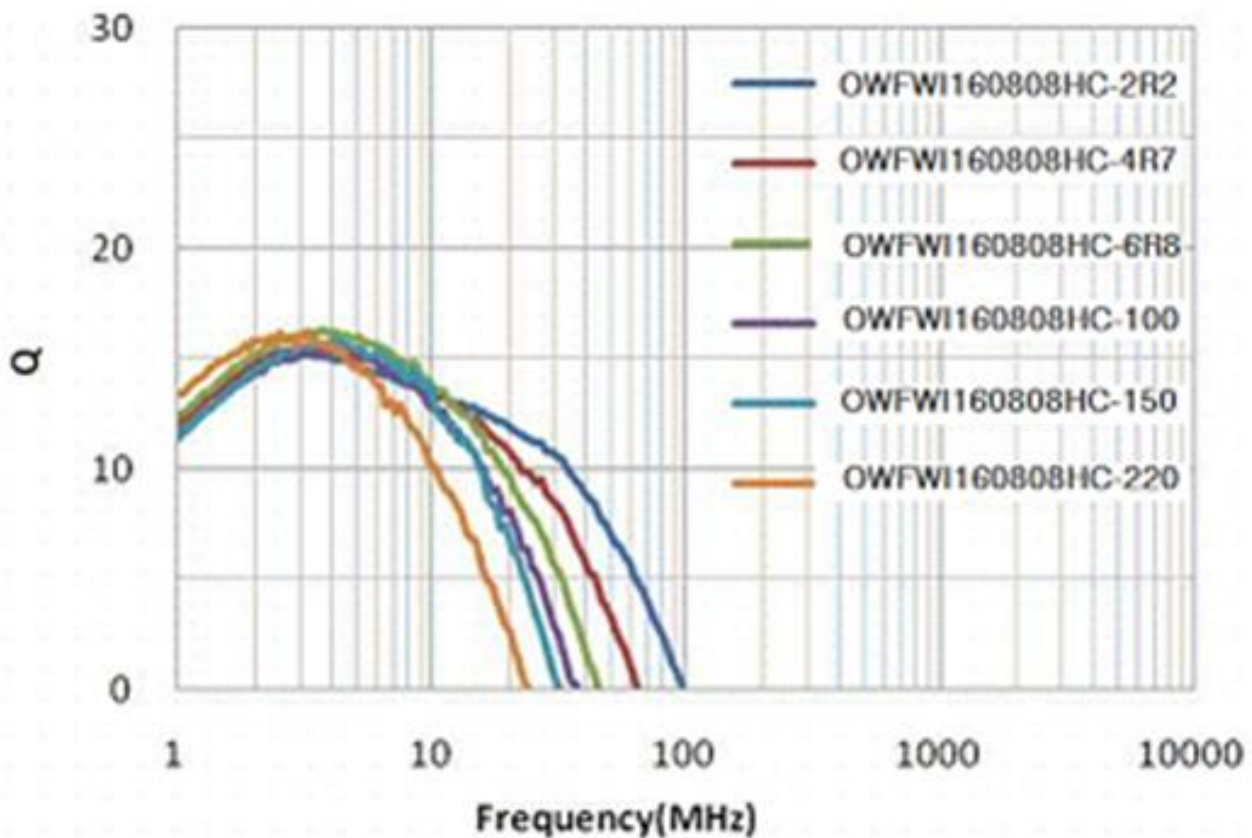
- 1) Please describe inductance tolerance when you order it.
- 2) Inductance tolerance: J=±5%, K=±10%, M=±20%
- 3) Please contact sales if your requirement is beyond the list by [sales@owolff.com](mailto:sales@owolff.com)
- 4) Rising 40°C from 25°C ambient with I<sub>rms</sub> current



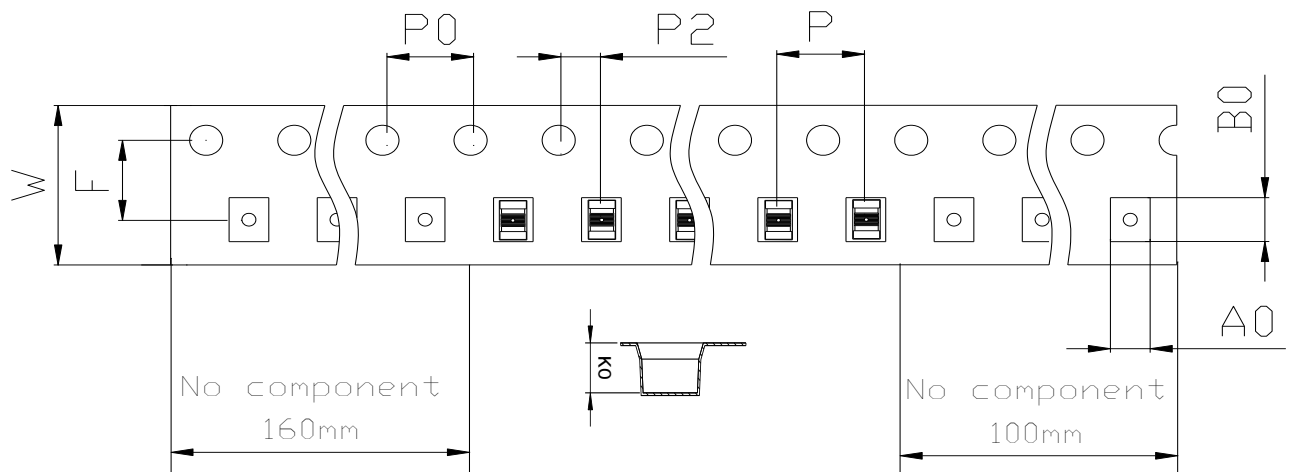
➤ L Vs. Freq. Curve OF OWFWI160808 Ferrite & Wire Wound SMD Chip RF Un-shielded Inductor



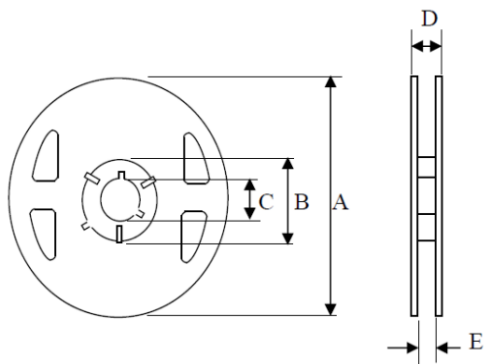
➤ Q Vs. Freq. Curve OF OWFWI160808 Ferrite & Wire Wound SMD Chip RF Un-shielded Inductor



➤ **PACKAGING OF OWFWI160808 Ferrite & Wire Wound SMD Chip RF Un-shielded Inductor**



OW P/N	W	A0	B0	K0	P	P0	P2	F
<b>OWFWI160808</b>	8.00	1.20	1.80	1.10	4.00	2.00	2.00	3.50



OW P/N	A	B	C	D	E	Reel(Pcs)
<b>OWCW1160808</b>	180	60.0	13.0	14.4	8.40	4000

