

## OWFWI160808F

### Ferrite & Wire Wound Semi -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 : 1.0 -7.9 MHz,
- Test Voltage :50mV
- Resistance of soldering heating: 260°C for 10sec
- Temperature rising: 40°C typ. with Irms
- Inductance will drop down 30% typ. at Isat 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 OWFWI100505F Ferrite & wire wound SMD chip RF Semi-shielded 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
<b>OWFWI160808F</b>	1.80 (0.071)	1.20 (0.047)	1.15 (0.045)	0.64 (0.025)	0.64 (0.025)	1.15 (0.045)	0603

➤ **CHARACTERISTICS OF OWFWI160808F Ferrite & Wire Wound SMD Chip RF Semi-shielded Inductor**

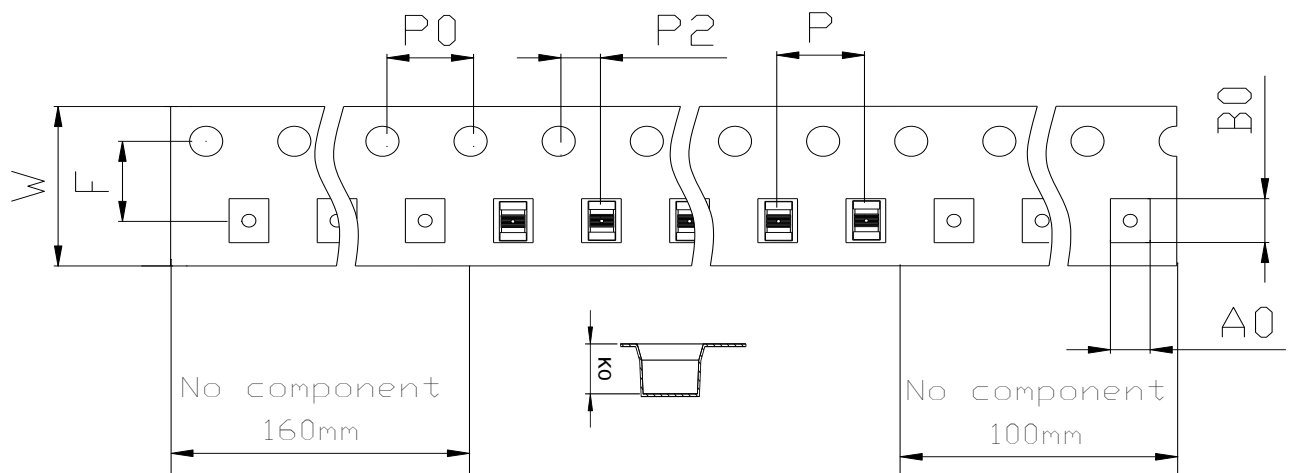
OW P/N Size: 2.4x1.65x1.3mm	Product ID	Inductance (uH)	Q Typ.	L&Q test Frequency (MHz)	DCR (Ω) Max.	Isat(A) Max	Irms(A) Max.	SRF (MHz) Typ.	Product dot
<b>OWFWI160808F-1R0M</b>	1R0M	1.00±20%	19	1	0.15	0.45	1.2	350	Black
<b>OWFWI160808F-2R2M</b>	2R2M	2.20±20%	17	1	0.3	0.35	0.75	150	Red
<b>OWFWI160808F-4R7M</b>	4R7M	4.70±20%	17	1	0.43	0.2	0.6	60	Yellow
<b>OWFWI160808F-100M</b>	100M	10.0±20%	18	1	1.1	0.14	0.38	35	Brown
<b>OWFWI160808F-150M</b>	150M	15.0±20%	18	1	1.8	0.12	0.3	26	Violet
<b>OWFWI160808F-220M</b>	220M	22.0±20%	18	1	2.2	0.09	0.25	24	Gray

**Note:**

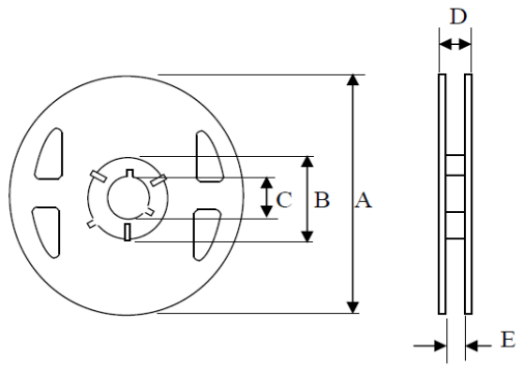
- 1) Please contact sales if your requirement is beyond the list by [sales@owolff.com](mailto:sales@owolff.com)
- 2) Inductance drop 30% typ. with Isat current
- 3) Rising temperature 25deg.C at above 40deg.C ambient.



➤ **PACKAGING OF OWFWI160808F Ferrite & Wire Wound SMD Chip RF Semi-shielded Inductor**



OW P/N	W	A0	B0	K0	P	P0	P2	F
<b>OWFWI160808F</b>	8.00	1.20	1.80	1.20	4.00	2.00	2.00	3.50



OW P/N	A	B	C	D	E	Reel(Pcs)
<b>OWCWI160808F</b>	180	60.0	13.0	14.4	8.40	4000

