

OFWI201212F

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 OFWI201212F 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
OFWI201212F	2.40 (0.094)	1.65 (0.065)	1.40 (0.055)	1.78 (0.070)	1.02 (0.040)	0.76 (0.030)	0805

➤ **CHARACTERISTICS OF OWFWI201212F 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.	Product dot
OWFWI160808F-1R0M	1.00±20%	19	1	0.15	0.45	1.2	350	Black
OWFWI160808F-2R2M	2.20±20%	17	1	0.3	0.35	0.75	150	Red
OWFWI160808F-4R7M	4.70±20%	17	1	0.43	0.2	0.6	60	Yellow
OWFWI160808F-100M	10.0±20%	18	1	1.1	0.14	0.38	35	Brown
OWFWI160808F-150M	15.0±20%	18	1	1.8	0.12	0.3	26	Violet
OWFWI160808F-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
- 2) Inductance drop 30% typ. with Isat current
- 3) Rising temperature 40deg.C at 25deg.C ambient.

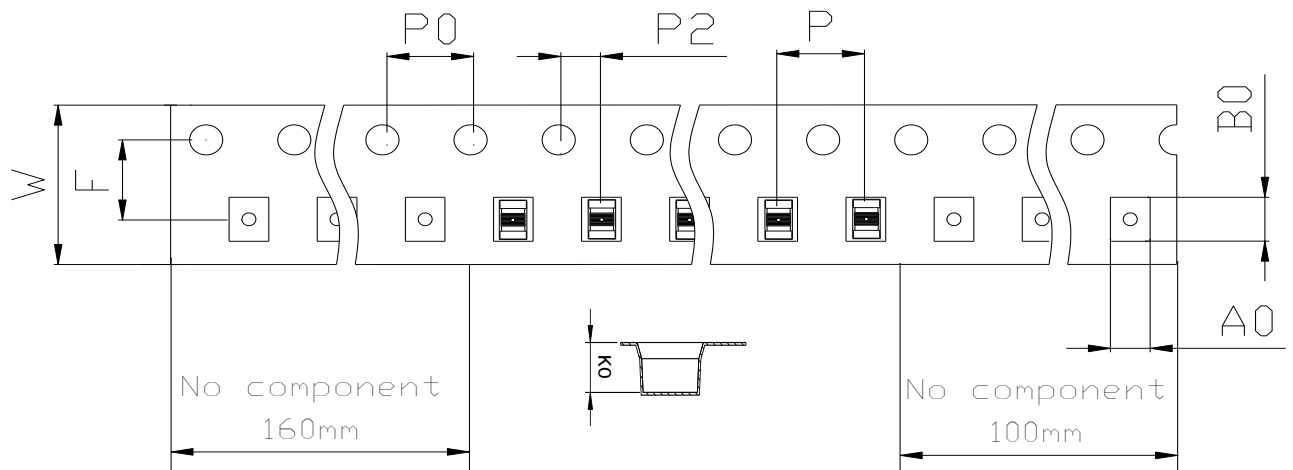
OW P/N Size: 2.4x1.65x1.3mm	Product ID	Inductance (uH)	Q Typ.	L&Q test Frequency (MHz)	DCR (Ω) Max.	Isat(A) Max	Irms(A) Max.	SRF (MHz) Typ.	Product dot
OWFWI201212F-1R0M	1R0M	1.00±20%	19	7.9	0.12	0.9	350	1.2	Yellow
OWFWI201212F-2R2M	2R2M	2.20±20%	19	7.9	0.21	0.5	210	1.1	Red
OWFWI201212F-3R3M	3R3M	3.3±20%	18	7.9	0.27	0.45	150	0.98	Orange
OWFWI201212F-4R7M	4R7M	4.70±20%	18	7.9	0.4	0.35	50	0.93	NA
OWFWI201212F-5R6M	5R6M	5.6±20%	17	7.9	0.45	0.34	40	0.9	Green
OWFWI201212F-6R8M	6R8M	6.8±20%	17	7.9	0.52	0.32	30	0.85	Blue
OWFWI201212F-100M	100M	10±10%±20%	30	2.5	0.64	0.3	25	0.8	Sky Blue
OWFWI201212F-150M	150M	15±10%±20%	30	2.5	1	0.25	20	0.6	Violet
OWFWI201212F-220M	220M	22±10%±20%	32	2.5	1.98	0.2	12	0.5	Gray
OWFWI201212F-330M	330M	33±10%±20%	20	2.5	2.3	0.1	6	0.35	Orange

Note:

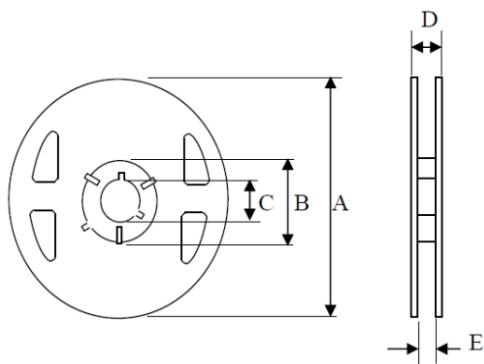
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➤ **PACKAGING OF OWFWI201212F Ferrite & Wire Wound SMD Chip RF Semi-shielded Inductor**



OW P/N	W	A0	B0	K0	P	P0	P2	F
OWFWI201212F	8.00	1.80	2.45	1.45	4.00	2.00	2.00	3.50



OW P/N	A	B	C	D	E	Reel(Pcs)
OWCWI201212F	180	60.0	13.0	14.4	8.40	2000

