

OFWI100505F

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 OFWI100505F 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
OFWI100505F	1.19 (0.470)	0.80 (0.032)	0.80 (0.032)	0.66 (0.026)	0.36 (0.014)	0.46 (0.018)	04202

➤ **CHARACTERISTICS OF OWFWI100505F Ferrite & Wire Wound SMD Chip RF Semi-shielded Inductor**

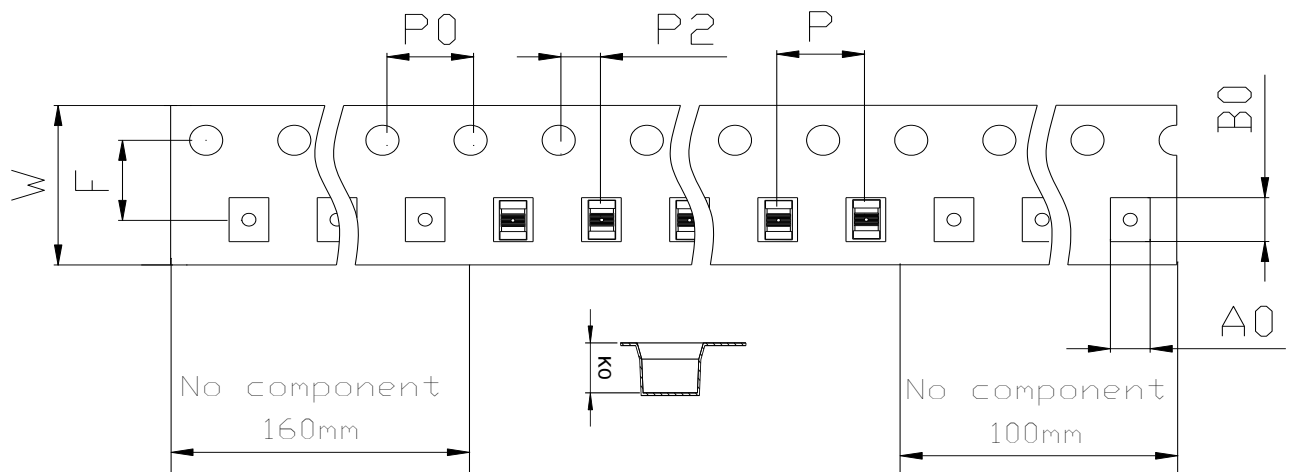
OW P/N Size: 2.4x1.65x1.3mm	Product ID	Inductance (uH)	Q Typ.	L&Q test Frequency (MHz)	DCR (Ω) Max.	Isat(A) Max	Irms(A) Max.	Product dot
OWFWI100505F-R22M	R22M	0.22±20%	14	7.9	0.5	0.38	A	NA
OWFWI100505F-R47M	R47M	0.47±20%	14	7.9	0.9	0.3	0.16	NA
OWFWI100505F-1R0M	1R0M	1.00±20%	16	7.9	1.2	0.24	0.13	NA
OWFWI100505F-2R2M	2R2M	2.20±20%	16	7.9	1.7	0.23	0.12	NA
OWFWI100505F-2R6M	2R6M	2.60±20%	14	7.9	1.9	0.22	0.11	NA
OWFWI100505F-3R3M	3R3M	3.30±20%	14	7.9	2.1	0.21	0.1	NA
OWFWI100505F-4R7M	4R7M	4.70±20%	17	7.9	2.5	0.2	0.09	NA
OWFWI100505F-100M	100M	10.0±20%	18	7.9	4.5	0.08	0.08	NA

Note:

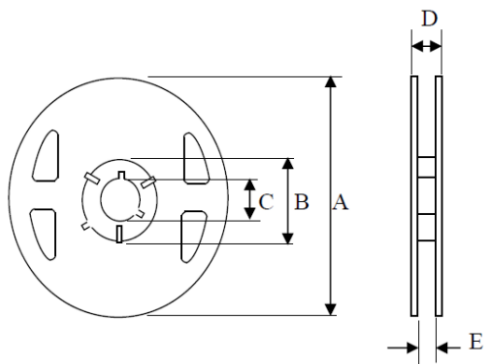
- 1) Please contact sales if your requirement is beyond the list by sales@owolff.com
- 2) Inductance drop 30% typ. with Isat current
- 3) Rising temperature 40deg.C at 25deg.C ambient.



➤ **PACKAGING OF OWFWI100505 Ferrite & Wire Wound SMD Chip RF Semi-shielded Inductor**



OW P/N	W	A0	B0	K0	P	P0	P2	F
OWFWI100505F	8.00	0.70	1.20	0.60	4.00	2.00	2.00	3.50



OW P/N	A	B	C	D	E	Reel(Pcs)
OWCWI100505F	180	60.0	13.0	14.4	8.40	4000

