

OFWWI100505

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_{rms}
- Inductance will drop down 10% typ. at Isat loading
- In compliance with RoHS & REACH directives

FEATURES

- Ferrite body Wire wound instruction
- 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 OFWWI100505 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
OFWWI100505	1.19 (0.470)	0.64 (0.025)	0.66 (0.026)	0.23 (0.009)	0.56 (0.022)	0.66 (0.026)	0.36 (0.014)	0.46 (0.018)	04202

➤ **CHARATERISTICS OF OWFWI100505 Ferrite & Wire Wound SMD Chip RF Un-shielded Inductor**

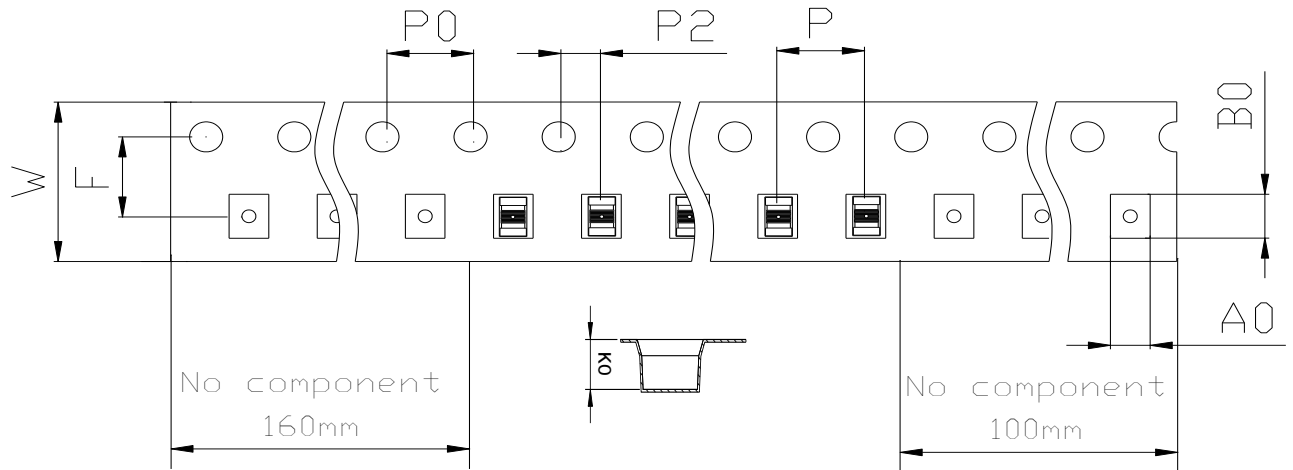
OW P/N Size: 1.19x0.64x0.66mm	Product ID	Inductance (nH)	Inductance Tolerance	Test Frequency (MHz)	DCR (Ω) Max	Idc(mA) Max	SRF (GHZ) Min.	Product Dot
OWFWI100505-20N	20N	20	K,M	7.9	0.050	1600	2.60	NA
OWFWI100505-22N	22N	22	K,M	7.9	0.065	1300	2.50	NA
OWFWI100505-33N	33N	33	K,M	7.9	0.070	1300	2.30	NA
OWFWI100505-36N	36N	36	K,M	7.9	0.075	1300	2.30	NA
OWFWI100505-39N	39N	39	K,M	7.9	0.080	1200	2.20	NA
OWFWI100505-51N	51N	51	K,M	7.9	0.085	1100	1.90	NA
OWFWI100505-56N	56N	56	K,M	7.9	0.095	1000	1.90	NA
OWFWI100505-72N	72N	72	K,M	7.9	0.100	1000	1.65	NA
OWFWI100505-78N	78N	78	K,M	7.9	0.130	970	1.60	NA
OWFWI100505-R10	R10	100	J,K,M	7.9	0.160	900	1.40	NA
OWFWI100505-R12	R12	120	J,K,M	7.9	0.220	750	1.30	NA
OWFWI100505-R14	R14	140	J,K,M	7.9	0.260	630	1.22	NA
OWFWI100505-R18	R18	180	J,K,M	7.9	0.280	560	1.15	NA
OWFWI100505-R20	R20	200	J,K,M	7.9	0.440	400	1.00	NA
OWFWI100505-R22	R22	220	J,K,M	7.9	0.530	380	1.00	NA
OWFWI100505-R25	R25	250	J,K,M	7.9	0.550	380	0.90	NA
OWFWI100505-R27	R27	270	J,K,M	7.9	0.550	360	0.86	NA
OWFWI100505-R30	R30	300	J,K,M	7.9	0.550	360	0.86	NA
OWFWI100505-R33	R33	330	J,K,M	7.9	0.560	350	0.82	NA
OWFWI100505-R36	R36	360	J,K,M	7.9	0.575	350	0.81	NA
OWFWI100505-R39	R39	390	J,K,M	7.9	0.700	320	0.76	NA
OWFWI100505-R42	R42	420	J,K,M	7.9	0.700	320	0.70	NA
OWFWI100505-R47	R47	470	J,K,M	7.9	0.730	310	0.65	NA
OWFWI100505-R56	R56	560	J,K,M	7.9	0.920	200	0.60	NA
OWFWI100505-1R0	1R0	1000	J,K,M	7.9	1.200	200	0.30	NA
OWFWI100505-2R2	2R2	2200	J,K,M	7.9	2.500	170	0.10	NA
OWFWI100505-3R3	3R3	3300	J,K,M	7.9	3.600	130	0.07	NA
OWFWI100505-4R7	4R7	4700	J,K,M	7.9	4.100	100	0.05	NA
OWFWI100505-100	100	10000	M	2.5	6.500	50	0.02	NA

Note:

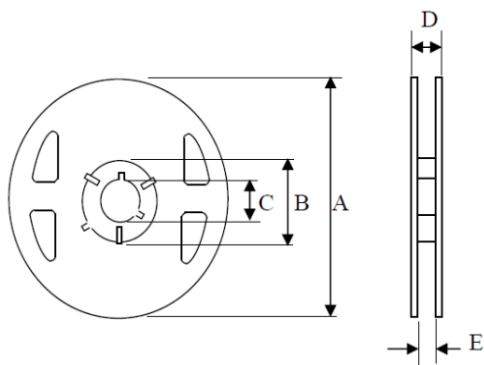
- 1) Please describe inductance tolerance when you order it.
- 2) Inductance tolerance: J=±5%, K=±10%, M=±20%
- 3) Please contact sales if your requirement is beyond the list by sales@owolff.com
- 4) Temperature rise 40°C from 25°C with I_{rms}



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



OW P/N	W	A0	B0	K0	P	P0	P2	F
OWFWI100505	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)
OWCWI100505	180	60.0	13.0	14.4	8.40	4000

