

- ◆ Combines or Splits Tx and Rx Signals for 1900 MHz PCS and AWS-1/AWS-3 systems
- ◆ -161 dBc specified PIM
- ◆ High Isolation
- ◆ Low Insertion Loss
- ◆ Up to 20W power
- ◆ IP67, RoHS compliant
- ◆ 7-16 DIN or 4.3-10 connectors

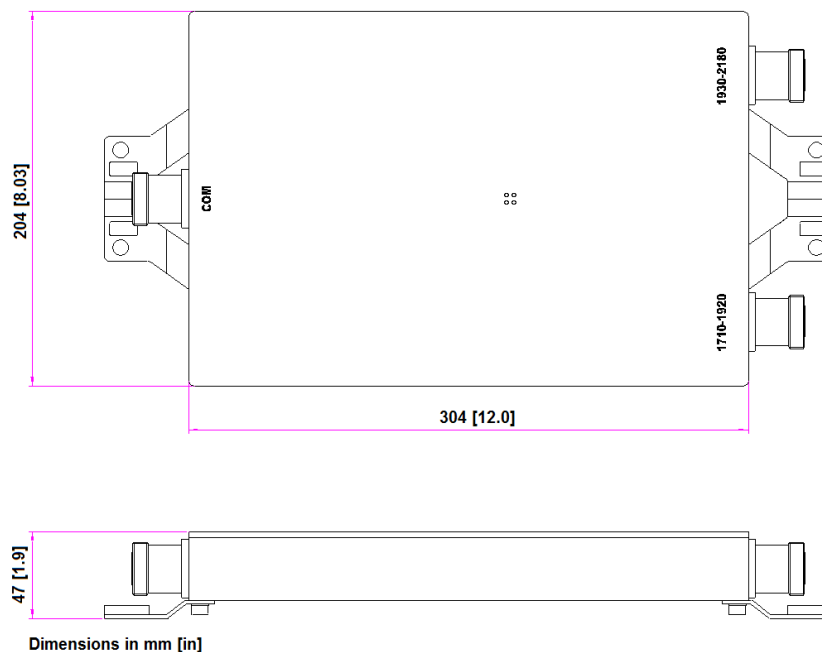


Model Number	Connectors Female	Weight, nom lb (kg)
BL-42D	7/16 DIN	7.8 (3.5)
BL-42E	4.3-10	7.8 (3.5)

Microlab Duplexer Model BL-42D allows combination and separation of the Tx and Rx signals. This cavity filter operates in 1900 MHz PCS bands, including G block, along with 2100 MHz AWS-1 and AWS-3 bands. Units provide high isolation, and low insertion loss.

Attention to mechanical design, ensures low loss, and high reliability.

Rx Passband:	1710-1780/1850-1915 MHz (Rx Port)
Tx Passband:	1930-1995/2110-2180 MHz (Tx Port)
Insertion Loss:	1.0 dB typ., 1.2 dB max.
Return Loss, all ports:	19 dB min.
PIM (Intermod):	-161 dBc (measured using two +43 dBm tones)
Isolation:	>50dB (between Tx/Rx bands)
Power/Input:	20 W avg., 1 kW peak
Impedance:	50Ω nominal
Environment:	-40°C to +65°C, IP67
Lightning Protection:	
Common Port	8/20μs, 20kA; 10/350μs, 3kA
Finish: Connectors:	Triplate
Housing Finish:	Gray Paint



Note: Specifications are subject to change without prior notification.

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