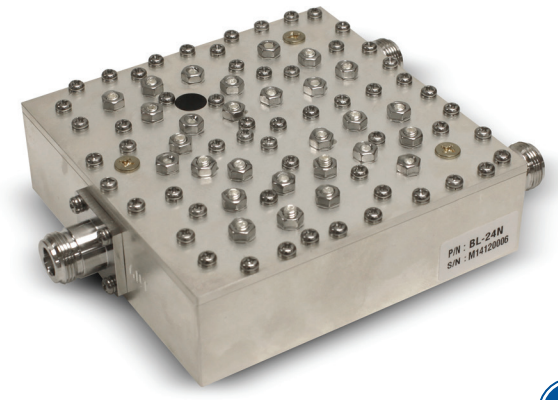
1800 MHz Duplexer, BL-24 series

Duplexer for GSM-1800 MHz Band, 50W
Tx/Rx 1710-1785/1805-1880 MHz
Rev. A

$ Saver Product Line

- Combines or Splits Tx and Rx Signals for 1800 MHz systems
- High Isolation
- Low Insertion Loss
- Up to 50W power
- High reliability
- RoHS Compliant



BL-24N Model

	Model/Connector N (f)	7-16 (f)
GSM-1800 MHz band Duplexer	**BL-24N**	BL-24D*

*BL-24D is in Development

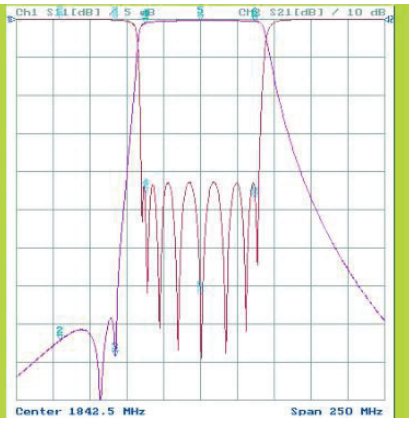
Microlab Cavity Duplexer Model BL-24 series allows combination and separation of the Tx and Rx signals in a duplex 1800 MHz signal. Units provide high isolation, and low insertion loss.

Attention to mechanical design, ensures low loss, and high reliability. Other models available for different bands and powers. (02/15-1).

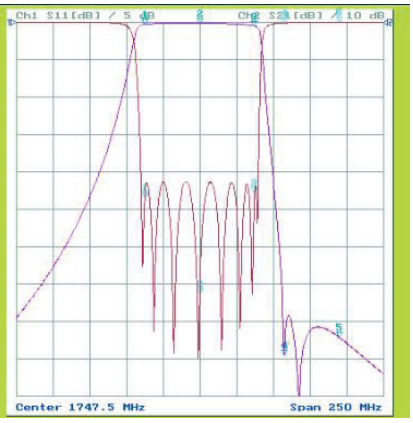
Specifications

Rx Passband:	1710 - 1785 MHz (Rx Port)
Tx Passband:	1805 - 1880 MHz (Tx Port)
Insertion Loss:	1.0 dB max.
Return Loss, all ports:	18 dB min.
PIM (Intermod):	<-155 dBc (measured in Rx Block using two +43 dBm tones in corresponding Tx Block)
Input Isolation:	>50 dB (between Tx/Rx bands)
Power Rating:	50W avg., 5 kW peak
Impedance:	50Ω nominal
Environment:	-20°C to +70°C, IP64
Finish: Connectors:	N (f) or 7-16 mm triplated
Housing Finish:	Silver plated aluminum
Weight, nom:	8.5 lb., 3.8 kg

Tx Path Simulation Data



Rx Path Simulation Data



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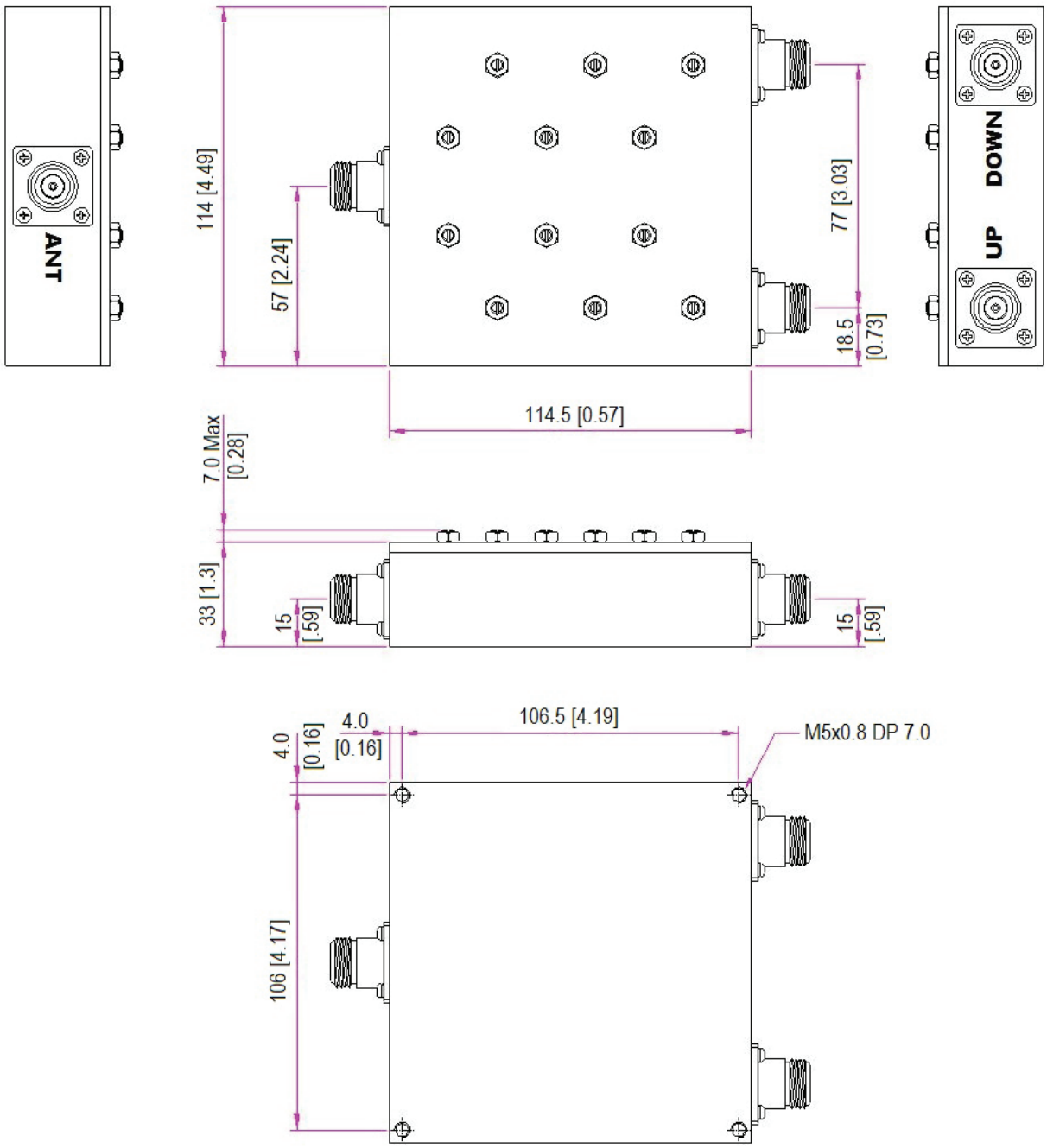
BL-24N Outline



All dimensions in mm [inches] nominal