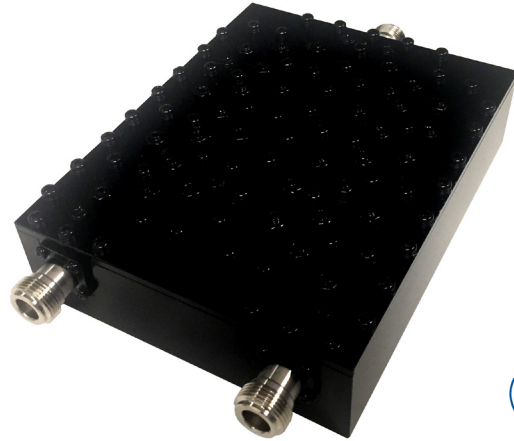


- ◆ Combines or Splits Tx and Rx Signals for 1900 MHz systems
- ◆ Guaranteed Low PIM
- ◆ 65 dB Isolation
- ◆ Low Insertion Loss
- ◆ 60W power rating
- ◆ High reliability
- ◆ RoHS Compliant
- ◆ N-type connectors



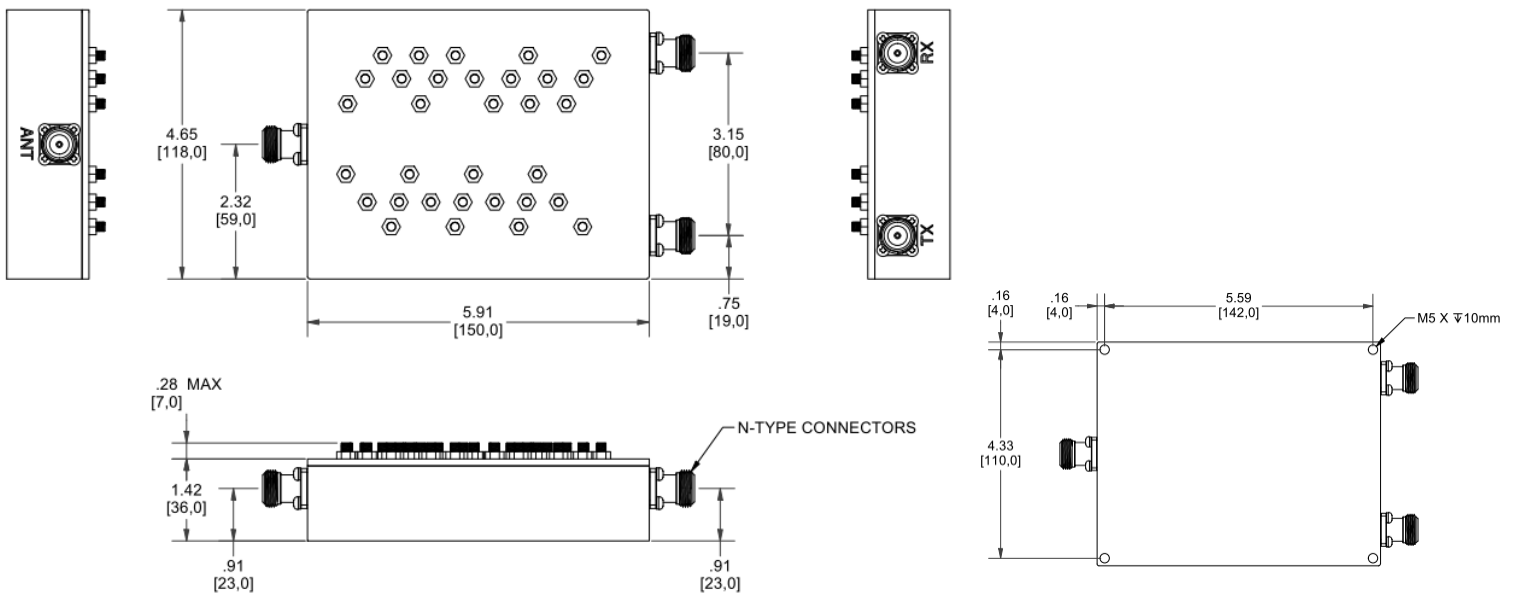
Model No.	Connector	Insertion Loss, dB	Weight lbs (kg)
BL-19N	N(f)	<1.5	2.2 (1.0)

Microlab Cavity Duplexer Model BL-19N allows combination and separation of the Tx and Rx signals in a duplex 1900 MHz signal, including G band. 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. .

Rx Passband:	1850 - 1915 MHz (Rx Port)
Tx Passband:	1930 - 1995 MHz (Tx Port)
Bandwidth, Tx and Rx:	65 MHz
Return Loss, all ports:	18 dB min.
PIM:	<-153 dBc (-110 dBm)
(Test Rx Block with 2x +43 dBm tones in corresponding Tx Block)	
Input Isolation:	>65dB (between Tx/Rx bands)
Power:	60W avg., 5 kW peak
Impedance:	50Ω nominal
Environment:	-30°C to +70°C, IP64
Housing Finish:	Black epoxy painted aluminum
Dimensions:	5.9 x 4.7 x 1.5 in [150 x 118 x 38 mm]

Mechanical Outline



All dimensions inches [mm] nominal

Note: Specifications are subject to change without prior notification.

24MAY2024