

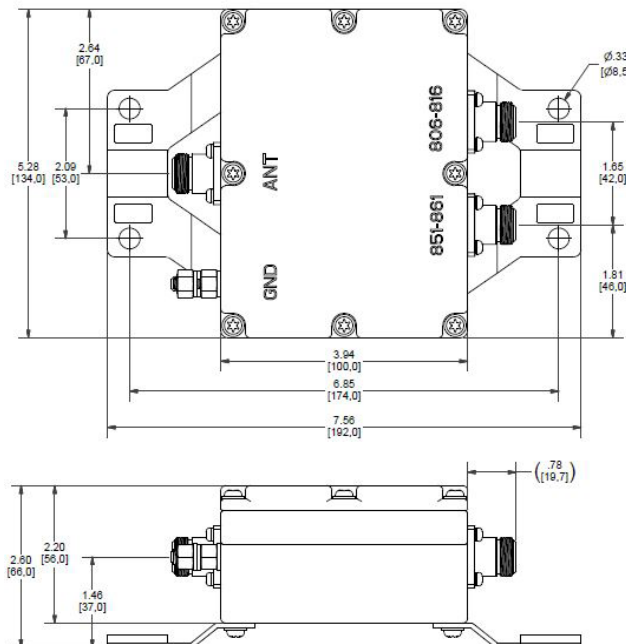
- ◆ Combines or Splits Tx and Rx Signals for 800 MHz systems
- ◆ High Isolation
- ◆ Guaranteed Low PIM
- ◆ Low Insertion Loss
- ◆ Up to 60W Avg Power/port
- ◆ High reliability
- ◆ RoHS Compliant
- ◆ N-Type connectors



Microlab Cavity Duplexer BL-18PSN allows combination and separation of the Tx 851-861 MHz and Rx 806-816 MHz signals in the 800 MHz band. To minimize band inter-reaction, the inputs are well isolated. The Duplexer is designed using passive, proprietary techniques for low loss and high reliability.

800 Tx Passband:	851-861 MHz (Tx Port)
800 Rx Passband:	806-816 MHz (Rx Port)
Bandwidth, Tx and Rx:	10 MHz
Insertion Loss:	1.2 dB max.
Rejection:	55dB min.
Passband Ripple:	0.8 dB max.
Return Loss, all ports:	18 dB min.
PIM (Intermod):	<-161 dBc (-118dBm) (measured in Rx Block using two +43 dBm tones in corresponding Tx Block)
Group Delay:	65nS typ.
Input Isolation:	>65dB (between Tx/Rx bands)
Power Rating:	60W avg., 5 kW peak
Impedance:	50Ω nominal
Environment:	-40°C to +65°C, IP67
Finish: Connectors:	N-type (f), Triplate
Housing Finish:	Grey Epoxy Painted
Dimensions:	5.28 x 3.94 x 2.2 inches [134 x 100 x 56 mm]
Weight:	2.5 lbs [1.13 kg]

### Outline



Dimensions in inches [mm]

Note: Specifications are subject to change without prior notification.

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