



Duplexer for 850 MHz Band, 60W Tx/Rx 869-894/824-849 MHz Rev. A

\$ Saver Product Line

- Combines or Splits Tx and Rx Signals for 850 MHz systems
- Very Low PIM
- High Isolation
- Low Insertion Loss
- Up to 60W power
- High reliability
- ♦ RoHS Compliant

Model/Connector	
N (f)	7-16 (f)

850 MHz band Duplexer

BL-32N

BL-32D

*presently available only in N Connectors

Microlab Cavity Duplexer Model BL-32 series allows combination and separation of the Tx and Rx signals in a high power duplex 850 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. (01/13).



Rx Passband: 824 - 849 MHz (Rx Port) Tx Passband: 869 - 894 MHz (Tx Port)

Bandwidth, Tx and Rx: 25 MHz

Insertion Loss: 0.6 dB typ., 0.9 dB max.

Return Loss, all ports: 20 dB min.

PIM (Intermod): <-163 dBc typ., <160 dBc max (measured using two +43 dBm tones)

Input Isolation: >65dB (between Tx/Rx bands)

Power Rating: 60W avg., 1 kW peak

Impedance:50Ω nominalEnvironment:-30°C to +80°C, IP64Finish: Connectors:N (f) or 7-16 mm triplatedHousing Finish:Black epoxy painted aluminum

Weight, nom: 5.0 lb., 2.25 kg





