

iDEN-800 Duplexer, BL-18 series

Duplexer for iDEN 800 MHz Band System , 60W Tx/Rx 851-869/806-824 MHz Rev. C

\$ Saver Product Line

- Combines or Splits Tx and Rx Signals for iDEN 800 MHz systems
- High Isolation
- Low Insertion Loss
- ♦ Up to 60W power
- High reliability
- RoHS Compliant
- N connectors



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

iDEN 800 MHz Duplexer BL-18N *BL-18D

*7-16 model in development

Microlab Cavity Duplexer Model BL-18 series allows combination and separation of the Tx and Rx signals in a duplex iDEN 800 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.

Rx Passband: 806-824 (Rx Port)
Tx Passband: 851-869 MHz (Tx Port)

Bandwidth, Tx and Rx: 18 MHz
Insertion Loss: 1.2 dB max.
Return Loss, all ports: 18 dB min.

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

Power Rating: 60W avg., 5 kW peak

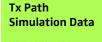
Impedance: 50Ω nominal

Environment: -30°C to +70°C, IP64

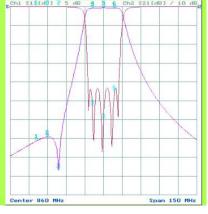
Finish: Connectors: N (f) or 7-16 mm triplated

Housing Finish: Black epoxy painted aluminum

Weight, nom: 8.5 lb., 3.8 kg

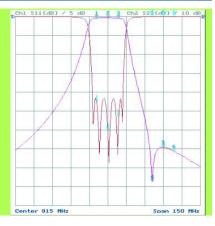


Marker1 806 LHk1 -0.030 -71.478 Harker2 815 LHk1 -0.045 -69.244 Harker3 824 LHk1 -0.074 -86.960 Marker4 851 LHk1 -26.476 -1.026 Harker5 860 LHk1 -30.257 -0.778 Marker6 869 LHk1 -22.680 -0.891



Rx Path Simulation Data

narker1 SU6 LMF21 -22,654 -0.846 Marker2 815 LMF21 -90,281 -0.738 Marker3 824 LMF21 -26.477 -0.973 Marker4 851 LMF21 -0.070 -97.422 Marker5 860 LMF21 -0.043 -69.242 Marker6 869 LMF21 -0.043 -69.242 Marker6 869 LMF21 -0.029 -71.477



Note: Specifications are subject to change without prior notification.

30AUG2017



