

- ◆ Tx/Rx Duplexer for 800MHz systems
- ◆ 70 dB Input Isolation
- ◆ 60 W per port
- ◆ Minimal RF Insertion Loss
- ◆ IP67 Rated
- ◆ N-type connectors
- ◆ RoHS compliant



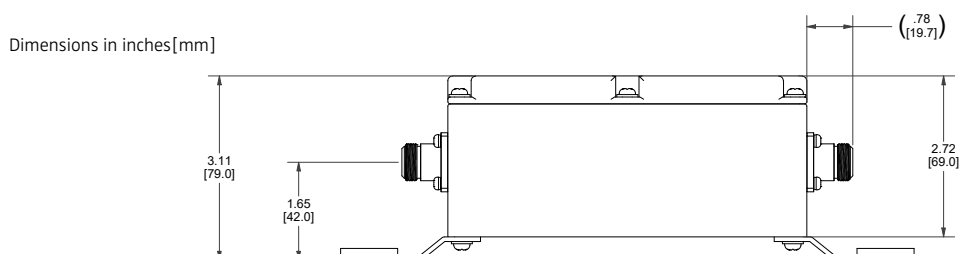
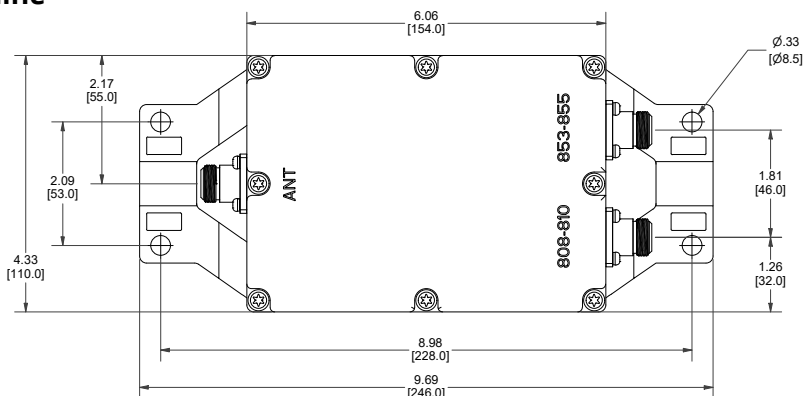
Model No.	Configuration	Wt. nom. lbs (kg)
<b>BK-2021N</b>	Single	4.7 (2.2)

Microlab BK-2021N narrow band duplexer allows for combining and splitting of the signals in 808-810 MHz and 853-855 MHz wireless bands. To minimize band inter-reaction, the inputs are well isolated and have minimal insertion loss over their respective frequency bands. Attention to mechanical design, manufacturing process and material selection ensures low passive intermodulation.

**Frequency Bands:**

Port 1: 808-810 MHz  
 Port 2: 853-855 MHz

PIM: -161 dBc *by design*  
 Return Loss: 20 dB min., All ports  
 Isolation: 70 dB min.  
 Insertion Loss: 1.0 dB max., All paths  
 Power: 60 W avg., 5kW peak  
 Impedance: 50Ω nom.  
 Environment: -40° - +65°C, IP67  
 Housing: Gray Epoxy Paint  
 Connectors: 4.3-10(f), Triplate  
 Dimensions: 6.06 x 4.33 x 2.72 in [154 x 110 x 69 mm]  
 Mounting: Bracket included

**Mechanical Outline**


**Note: Specifications are subject to change without prior notification**

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