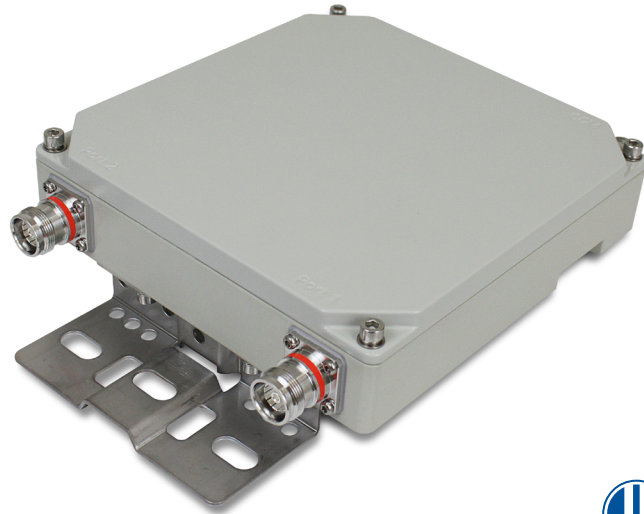


- ◆ Combines AWS-1 and AWS-3 services
- ◆ 40 dB Input Isolation
- ◆ 100 W per port
- ◆ IP67 Rated
- ◆ Minimal RF Insertion Loss
- ◆ Rugged, High Reliability
- ◆ Guaranteed Low PIM
- ◆ RoHS compliant Design
- ◆ 4.3-10 Connectors



Microlab BK-2005E diplexer allows combination and separation of the signals in 1710-1735/2110-2135 MHz and 1760-1780/2160-2180 MHz commercial wireless bands. For minimum band interaction, the inputs are well isolated and have minimal insertion loss over their respective frequency bands. Attention to mechanical design ensures it guaranteed low passive intermodulation. The diplexer is designed to minimize cost and size for Small Cell & DRAN applications.

It allows efficient combining or division of the standard cellular bands for coaxial distributed in-building cellular networks or DAS.

Frequency Bands:

Port 1: 1710-1735/2110-2135 MHz
 Port 2: 1760-1780/2160-2180 MHz

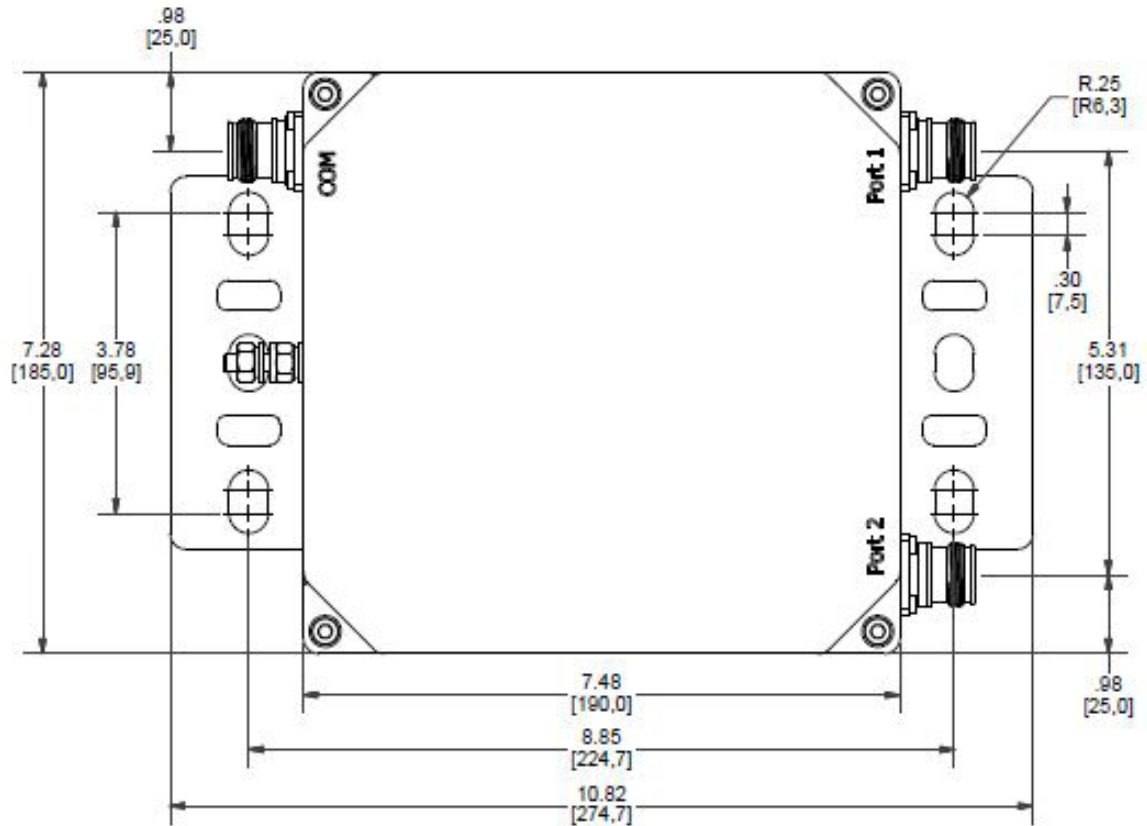
PIM: <-158 dBc (-118 dBm)
 (2 tones of +40 dBm)

Return Loss: 20 dB min., All ports
 Isolation: 40 dB typ, 35dB min.
 Insertion Loss: 0.5 dB max., All paths
 Power Rating: 100 W/input port, 3kW peak
 Group Delay: 15ns typ. on Port 1
 30ns typ. on Port 2

Impedance: 50Ω nominal
 Environment: -40° - +65°C, IP67
 Connectors: 4.3-10 (f), Flanged
 Mounting: Wall Mount

Protection Ground: M6 screw
 Housing Finish: Painted
 Dimensions: 7.48 x 7.28 x 1.77 inches
 [190 x 185 x 45 mm]

Weight, nom: 6.4 lbs (2.9 kg)

Outline BK-2005E


Dimensions in inches [mm]

