

- ◆ Combines PCS, AWS1-3 and BRS bands
- ◆ 40 dB Input Isolation
- ◆ 100W per port
- ◆ Guaranteed Low PIM
- ◆ Minimal RF Insertion Loss
- ◆ 4.3-10 Connectors
- ◆ IP67 Rated
- ◆ RoHS compliant



Model No.	Type	Weight lbs (kg)	Dimensions inches [mm]
BK-3001E	Single	6.0 (2.72)	7.56 x 7.03 x 1.93 [192 x 178.5 x 49]
BK-3001EW	Dual	12.1 (5.49)	7.56 x 7.03 x 3.98 [192 x 178.5 x 101]

Microlab BK-3001E triplexer allows combination and splitting of signals in 1850-2000 MHz, 1695-1780/2110-2200 MHz, and 2496-2690 MHz wireless bands. It allows low loss combining or splitting of the PCS/AWS/BRS licensed bands for use in Small Cell or D-RAN. The inputs are well isolated and have minimal insertion loss over their respective frequency bands to minimize band inter-reaction. Attention to mechanical design ensures a guarantee of low passive intermodulation. Dual mounted configuration for 2x2 MIMO applications is available as BK-3001EW

Frequency Bands:

Port 1: 1850 - 2000 MHz

Port 2: 1695 - 1780 MHz

2110 - 2200 MHz

Port 3: 2496 - 2690 MHz

PIM: <-161 dBc (-118 dBm)

(Test with 2 tones of +43 dBm at ambient temperature)

Power: 100 W/input port

Return Loss: 20 dB min

Isolation: 40 dB min

Insertion Loss: 0.4 dB max

Impedance: 50 Ω nominal

Group Delay:

Port 1 & 2: 25 ns typ.

Port 3: 10 ns typ.

Environment: -25° to +65°C, IP67

Lightening Protection: ±5 kA, 8/20 μs

Connectors: 4.3-10 (f), Flanged

Protection Ground: M6 screw

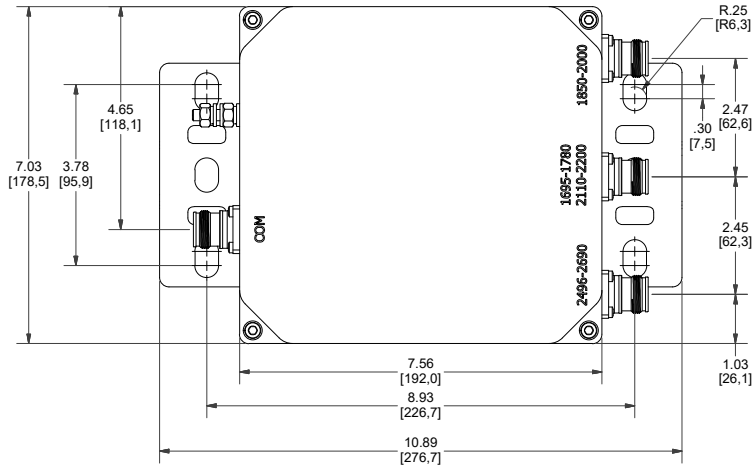
Housing Finish: Painted

Mounting: Bracket Included

Note: Specifications are subject to change without prior notification.

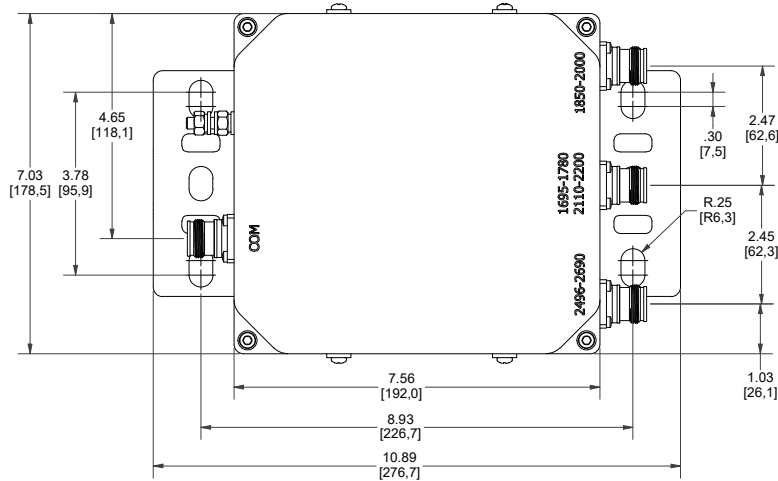
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Outline BK-3001E



Dimensions in inches [mm]

Outline BK-3001EW



Dimensions in inches [mm]

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