

- ◆ Multi-band combiner for carrier aggregation of licensed low and mid-bands
- ◆ 46 dB Input Isolation
- ◆ 250 W per port
- ◆ Guaranteed Low PIM
- ◆ Minimal RF Insertion Loss
- ◆ 4.3-10 Connectors
- ◆ Salt Fog Rated
- ◆ RoHS compliant



Model No.	Type	Weight lbs (kg)	Dimensions inches [mm]
BK-3008E	Single	5.2 (2.4)	6.81 x 6.02 x 1.89 [173 x 153 x 48]
BK-3008EW	Dual	10.4 (4.8)	6.81 x 6.02 x 3.98 [173 x 153 x 101]

Microlab BK-3008E triplexer allows combination and splitting of signals in 617-960 MHz, 1695-2200/2300-2690 MHz and 3400-4200 MHz wireless bands. It allows efficient combining or splitting of the standard cellular bands and shared bands like CBRS and C-Band for use in Small Cell or D-RAN. To minimize band inter-reaction, the inputs are well isolated and have minimal insertion loss over their respective frequency bands. Attention to mechanical design ensures guaranteed low passive inter-modulation. Dual mounted configuration for 2x2 MIMO applications is available as BK-3008EW

Frequency Bands:

Port 1: 617 -960 MHz
Port 2: 1695 - 2200 MHz

Port 3: 2300 - 2690 MHz
3400 - 4200 MHz

PIM: <-161 dBc (-118 dBm)

Test with 2x tones at +43 dBm

Power: 250W W avg./port, 3kW pk

Return Loss: 20 dB typ., 18 dB min. All Ports

Isolation: 46 dB typ., 43 dB min.

Insertion Loss: 0.5 dB max. All paths

Impedance: 50Ω nom.

Group Delay: 4.4 NS typ.

DC Pass: 3A max, All Ports

Lightening Protection: ±5 kA, 8/20 μs

Temperature: -40° to +65°C

Environment: IP67, 30 days Salt Fog Tested

ASTM B117 Compliant

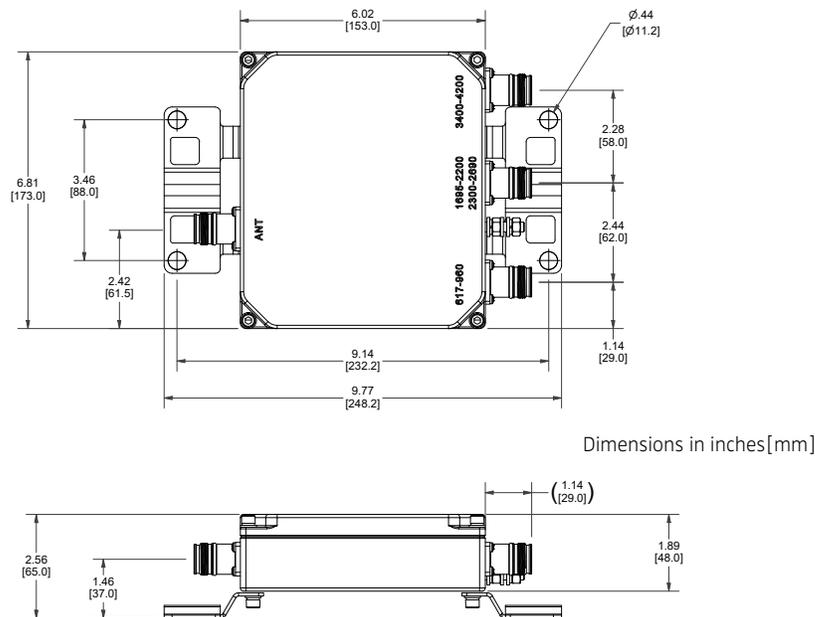
Connectors: 4.3-10 (f), Flanged Triplate

Ground Protection: M6 screw

Housing Finish: Painted

Mounting: Bracket Included

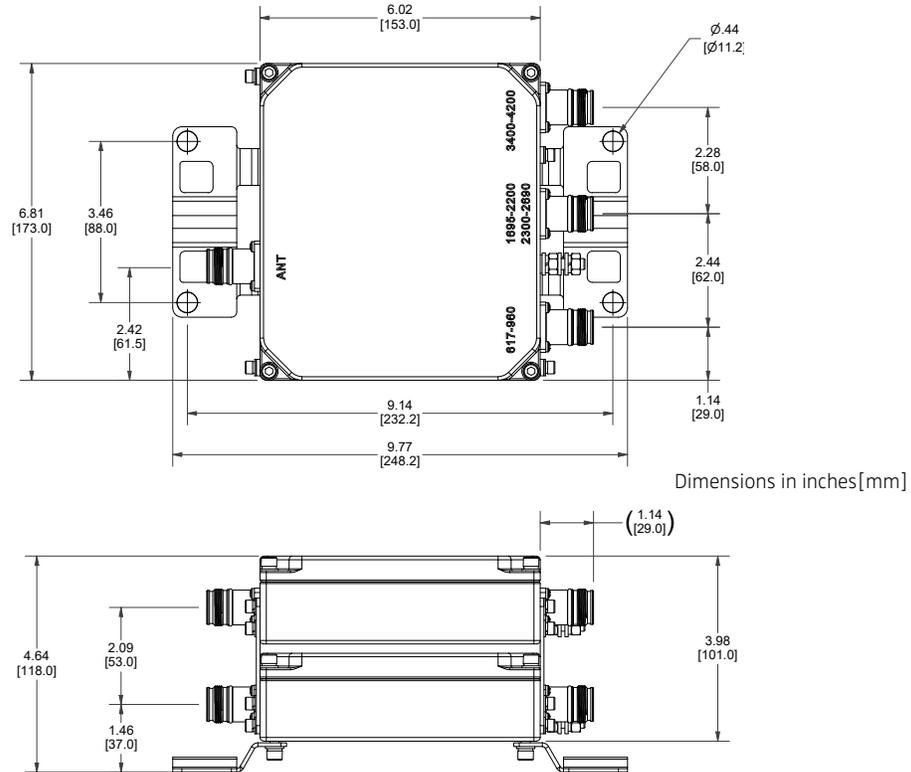
BK-3008E Outline



Dimensions in inches[mm]

Note: Specifications are subject to change without prior notification.

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BK-3008EW Outline


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