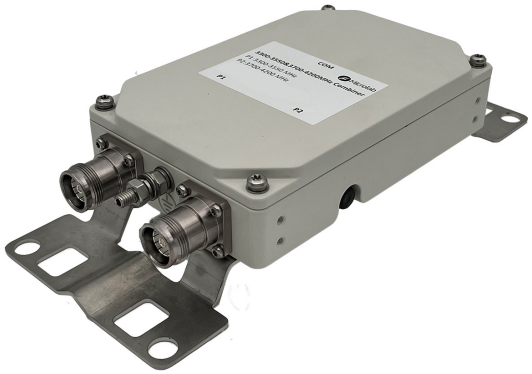
3.45/C-Band Diplexer, BK-2030E

3300-3550/3700-4200 MHz
4.3-10
Rev. C

- Combines 5G Band 3.45 with C-Band
- 40 dB Input Isolation
- 150W per port
- Guaranteed Low PIM
- Minimal RF Insertion Loss
- 4.3-10 Connectors
- IP67 Rated
- RoHS compliant

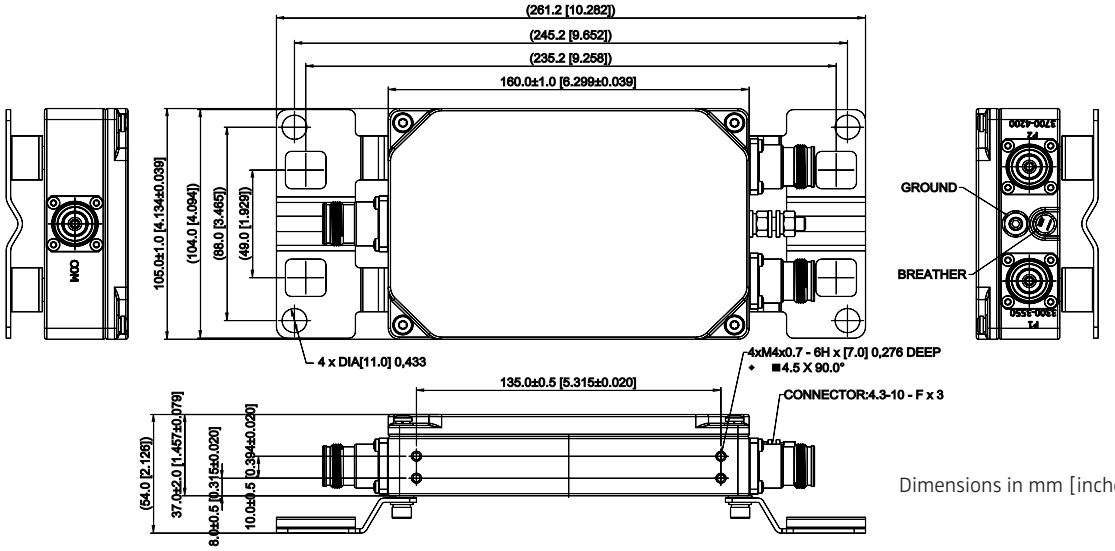


Model No.	Type	Weight lbs (kg)	Dimensions inches [mm]
BK-2030E	Single	6.6 (3.0)	6.3 x 4.13 x 1.46 [160 x 105 x 37]
BK-2030EW	Dual	13.2 (6.0)	6.3 x 4.13 x 2.97 [160 x 105 x 75.5]

Microlab BK-2030E is a diplexer that enables the combining or splitting of 3.45GHz and C-Band for 5G carrier aggregation in DAS & small cells. The wider passbands allow future proofing for technology upgrades within 5G n77 band (3300-3550 + 3700-4200). 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 it guarantees prolonged low passive intermodulation. Dual mounted configuration for 2x2 MIMO applications is available as BK-2030EW.

Frequency Bands:	
Port 1:	3300 - 3550 MHz
Port 2:	3700 - 4200 MHz
PIM:	<-161 dBc (-118 dBm) (Test 2x +43dBm tones @ ambient)
Return Loss:	20 dB typ., 18 dB min.
Isolation:	40 dB min.
Insertion Loss:	0.4 dB max.
Group Delay:	
Port 1:	6.0ns typ.
Port 2:	9.0ns typ.
DC Pass:	All Ports
Power:	150 W avg., 3kW pk
Impedance:	50Ω nom.
Environment:	-40° to +65°C, IP67
Connectors:	4.3-10 (f), 4-hole flange
Housing Finish:	Powder Coated Passivated Al

BK-2030E Outline



Dimensions in mm [inches]

Note: Specifications are subject to change without prior notification.

8FEB2023

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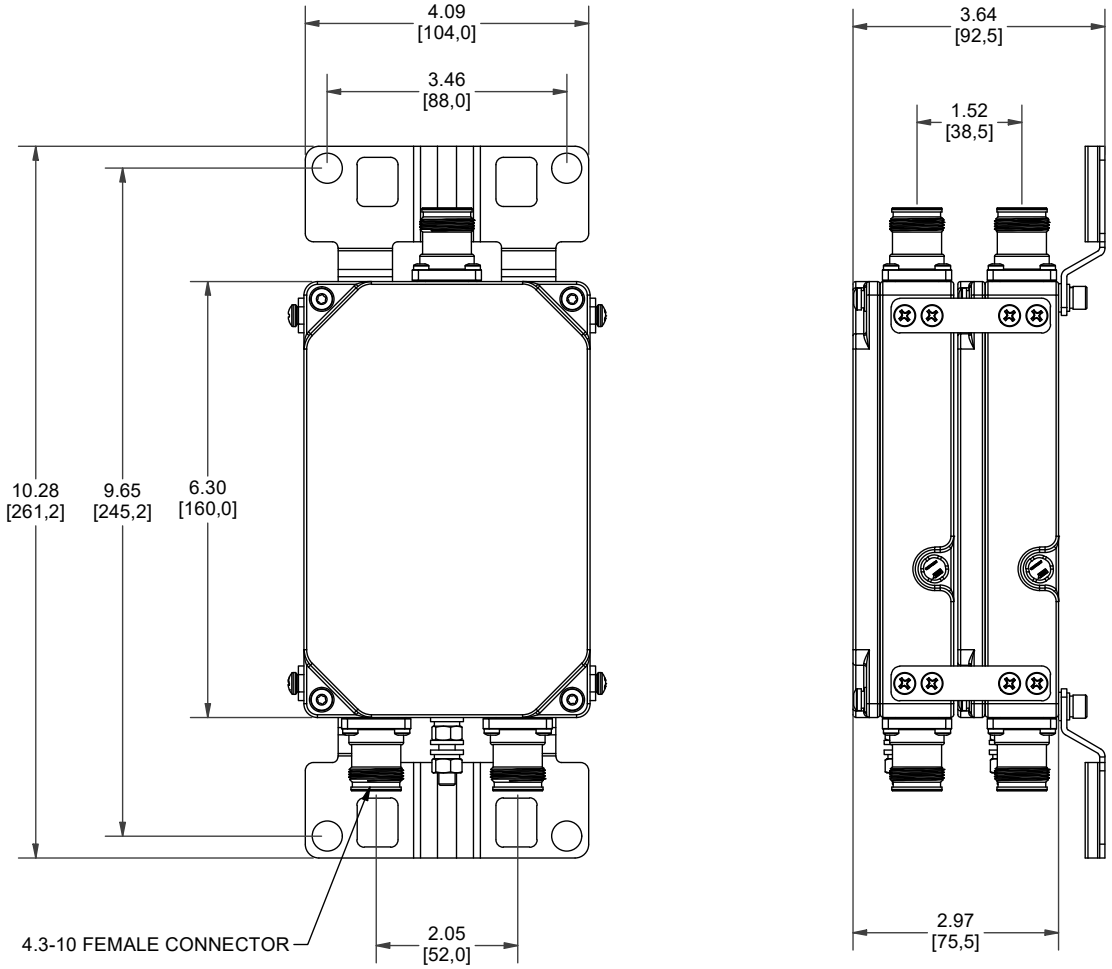
Dimensions in inches [mm]

BK-2030EW Outline



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