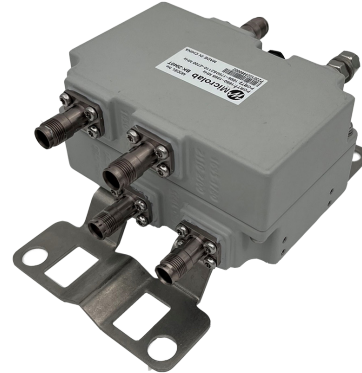


- ◆ Combines PCS with AWS-WCS-2.5/BRS
- ◆ Small Form Factor in Twin Units◆
Guaranteed Low PIM
- ◆ Minimal RF Insertion Loss
- ◆ NEX10® Connectors
- ◆ IP67 Rated
- ◆ RoHS compliant



Model No.	Connector Type	Type	Weight lbs (kg)	Dimensions inches [mm]
BK-2040T	NEX10®	Dual	2.2 (1.0)	4.17 x 2.68 x 2.17 [106 x 68 x 55]
BK-2040G	2.2-5*	Dual	2.2 (1.0)	4.17 x 2.68 x 2.17 [106 x 68 x 55]

**In Development*

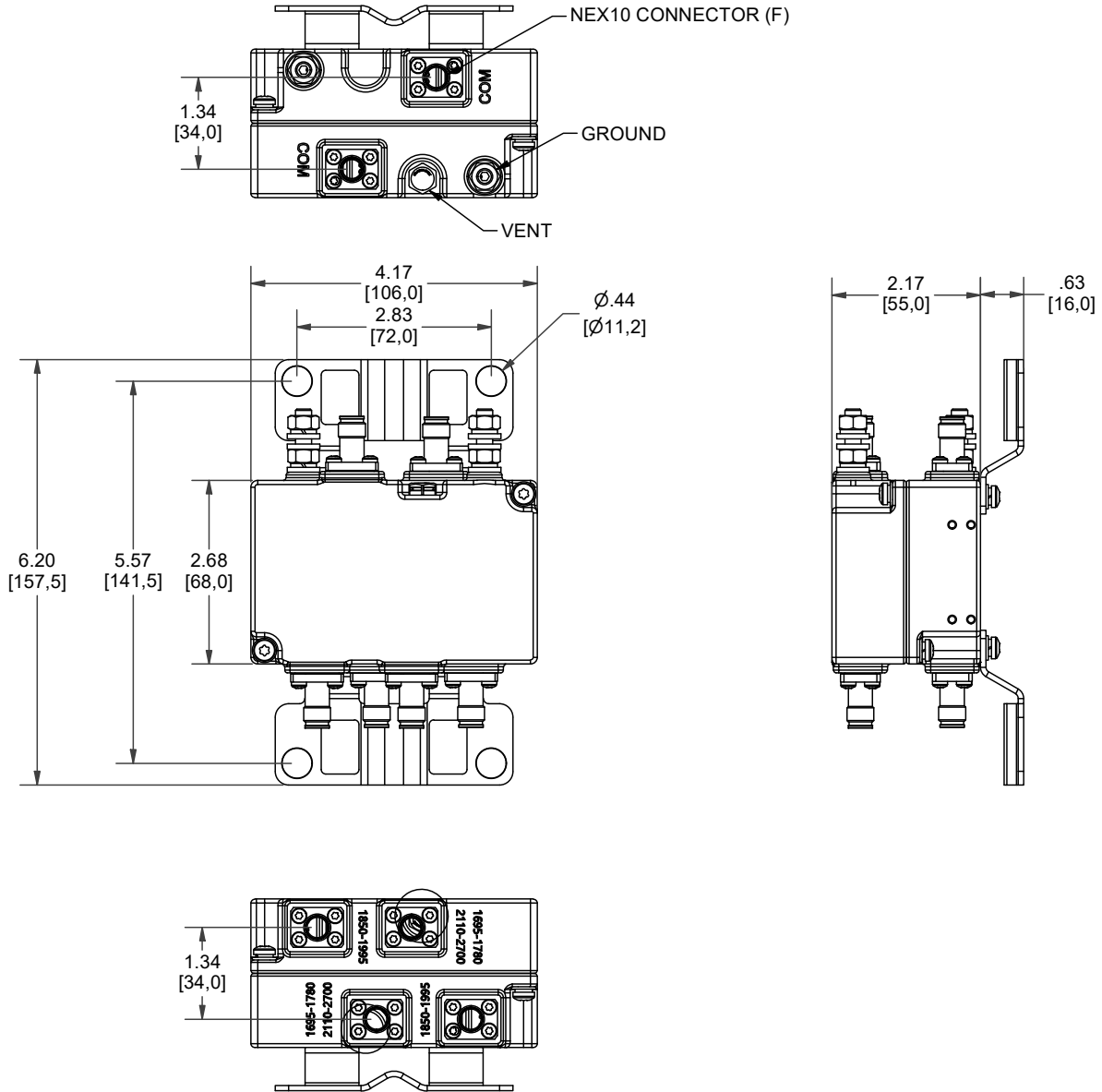
Microlab BK-2040 series is a diplexer that enables the combining or splitting of PCS with AWS, WCS, or 2.5/BRS for 5G carrier aggregation in DAS & small cells in a 2x2 MIMO format. The second port allows for adding AWS, WCS, or 2.5/BRS signal into existing or new networks along with PCS. The inputs are well isolated and have minimal insertion loss over their respective frequency bands to minimize band inter-reaction. Attention to mechanical design guarantees low Passive Intermodulation (PIM) for a prolonged period, and the connectors are spaced to be compatible with common protective boots for enhanced weatherproofing, as well as allowing for easy and precise installation with a torque wrench. The units are Dual mounted single diplexers allowing for 2x2 MIMO applications, in both NEX10® and 2.2-5.

Frequency Bands:	
Port 1:	1850 - 1995 MHz
Port 2:	1695 - 1780 MHz 2110 - 2700 MHz
Power:	80 W avg., 1kW pk
Insertion Loss:	0.25 dB typ., 0.35 dB max.
Return Loss:	20 dB min.
Isolation:	35 dB min.
PIM:	-158 dBc (-115 dBm) typ. -155 dBc (-112 dBm) min. (Test 2x +43dBm tones @ ambient)
Group Delay:	
Port 1:	4.4 nS
Port 2:	8.3 nS
DC Pass:	All Ports
Lightning Protection:	+/- 5kA; 8/20 µs waveform
Impedance:	50Ω nom.
Environment:	-40° to +65°C, IP67
Connectors:	NEX10® (f) or 2.2-5(f)
Housing Finish:	Gray Powder Coated

Note: Specifications are subject to change without prior notification.

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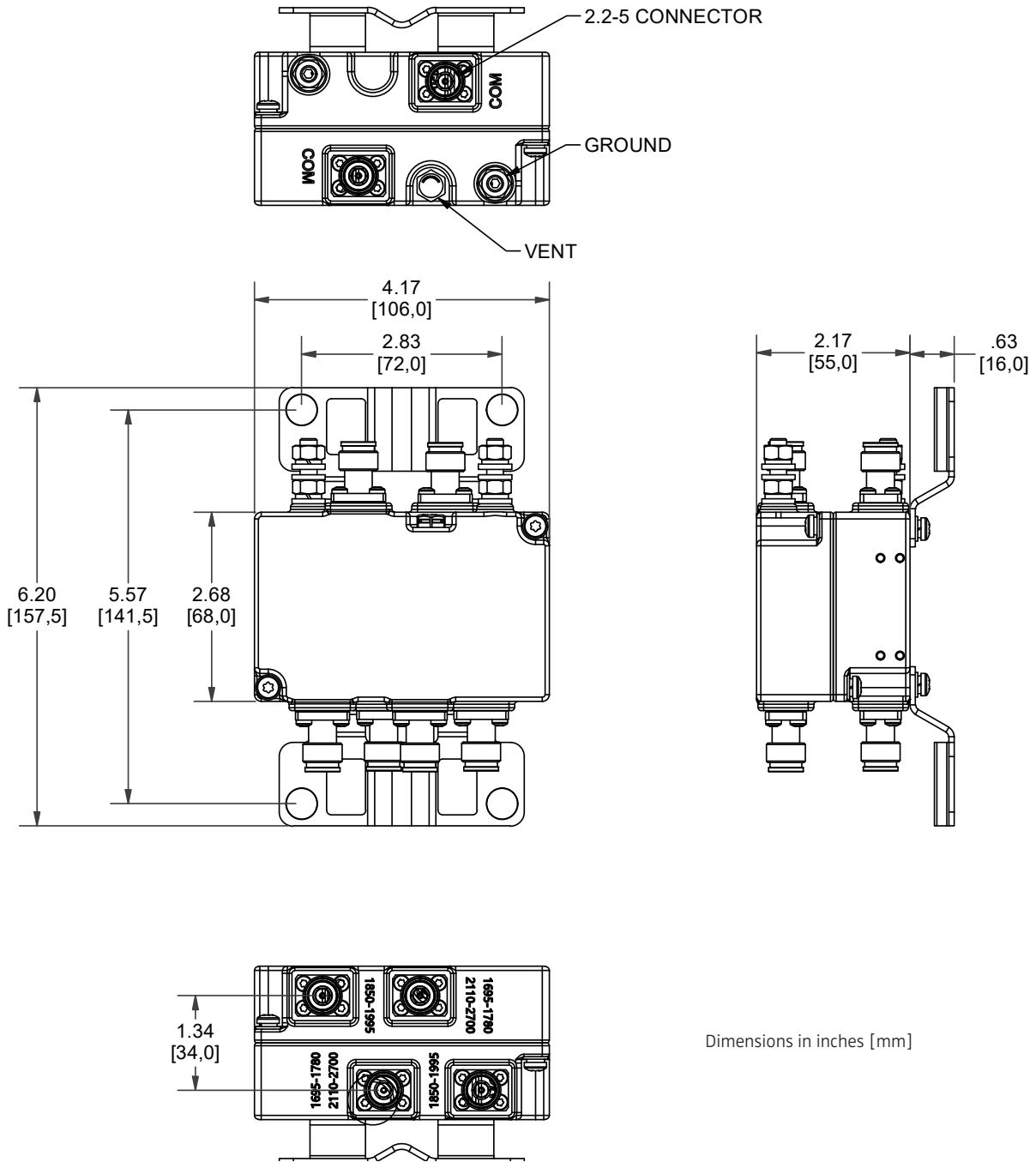
BK-2040T Outline



Dimensions in inches [mm]

Note: Specifications are subject to change without prior notification.

BK-2040G Outline



Note: Specifications are subject to change without prior notification.