

\$ Saver Product Line

- ◆ Integrates (700 & 850)/(PCS & AWS-1, -3)/(WCS & 2600) Bands for multiband collocated sites
- ◆ Guaranteed Low PIM
- ◆ 50 dB Input Isolation
- ◆ 250 W/input Continuous Average Power
- ◆ Minimal RF Insertion Loss & Ripple
- ◆ Constructed for Outdoor Use, IP67
- ◆ High Reliability, Moisture sealed
- ◆ RoHS compliant
- ◆ Long neck 7-16 DIN connectors



Microlab Model BK-42D is a 3 Channel Multiplexer which allows combination and separation of the signals in the LTE-700, SMR 800 and GSM-850 bands (Channel 1), the 1900 PCS, AWS-1 and AWS-3 bands (Channel 2), and WCS and 2600 bands (Channel 3).

To minimize band inter-reaction, the inputs are well isolated and have minimal insertion loss over their respective frequency bands.

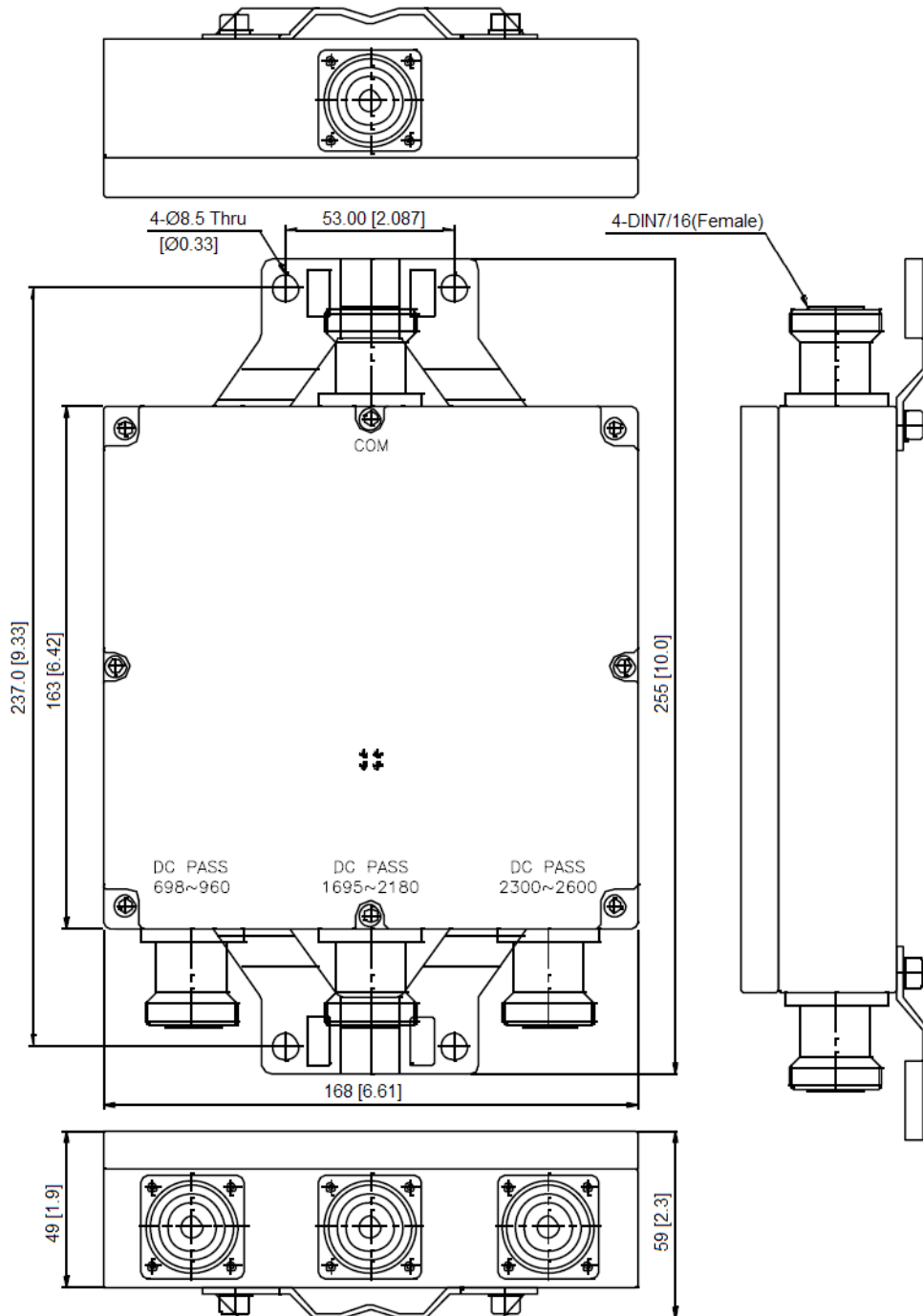
The Multiplexer has been designed using passive, proprietary techniques which minimizes PIM effects. It also ensures minimal loss and very high reliability at input powers up to 250W per input port.

This configuration permits DC pass through all ports.

Input Channel 1:	698 - 960 MHz
Input Channel 2:	1695 - 2180 MHz
Input Channel 3:	2300 - 2600 MHz
Power Max. Rating:	250W/Input port, CW avg. 3 kW peak
Passband Loss:	<0.5 dB
Return Loss:	>19 dB typ, all ports
Isolation:	>50 dB
PIM (Intermod):	<-161 dBc (2 x +43 dBm tones)
Impedance:	50Ω nominal
DC Pass:	All ports
Environment:	-30°C to +75°C, IP67
Finish: Connectors:	7-16 DIN (f) long neck, Triplate
Housing:	Grey Paint
Weight, nominal:	4.75 lb (2.15 kg)

Note: Specifications are subject to change without prior notification.

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Dimensions in mm [in]