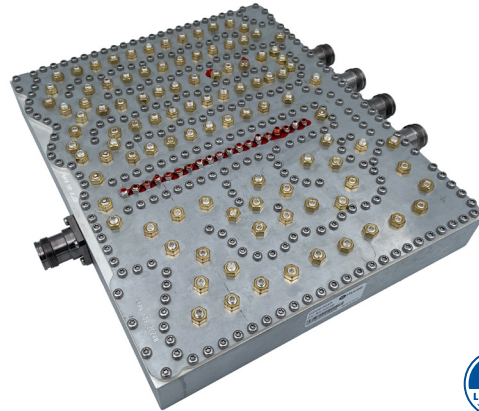


- ◆ Dual band combiner for commercial wireless bands
- ◆ 35 dB Input Isolation
- ◆ 1 W/port avg power
- ◆ Guaranteed Low PIM
- ◆ Minimal RF Insertion Loss
- ◆ Stacked version for 2x2 MIMO
- ◆ RoHS compliant
- ◆ 4.3-10 Connectors



Model No.	Configuration	Wt. nom. lb [kg]
<b>BK-4003E</b>	Single	8.2 lbs [3.7 kg]
<b>BK-4003EW</b>	Dual	16.4 lbs [7.4 kg]

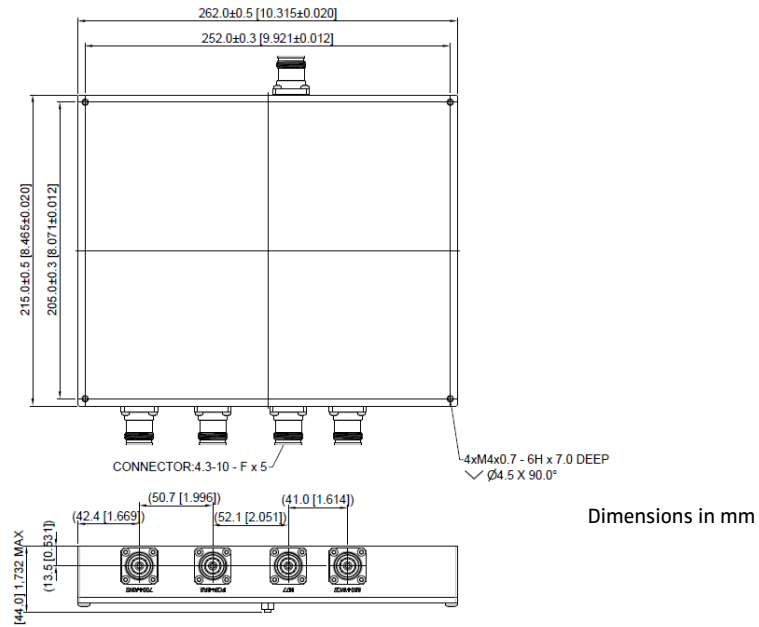
Microlab Model BK-4003 series quadraplexer allows combination and separation of the signals in 700+AWS, 850+WCS, PCS+BRS, and n77 wireless bands. To minimize band inter-reaction, the inputs are well isolated and have minimal insertion loss over their respective frequency bands. Attention to mechanical design ensures guaranteed low passive intermodulation.

Frequency Bands:	
Port 1:	698-798 MHz 1695-1780/2110-2200 MHz
Port 2:	817-894 MHz/2305-2360 MHz
Port 3:	1850-2000 MHz/2496-2690 MHz
Port 4:	3300-4200 MHz
Isolation:	35 dB min.
Return Loss:	>18 dB typ., >16.8dB min
Passband Loss:	1.0 dB max.
Group Delay:	≤50 ns
DC Pass:	Grounded
Input Power Rating:	1 W/input avg., 100 W peak
Impedance:	50Ω nom.
PIM:	-156dBc typ., -153 dBc (-126dBm)min (Test with 2x tones at +27dBm)
Environment:	-25 to +65°C, Indoor
Dimensions:	262 x 215 x 44mm
Housing Finish:	Silver Plated aluminum
Connectors:	4.3-10 (f), Flange Triplate

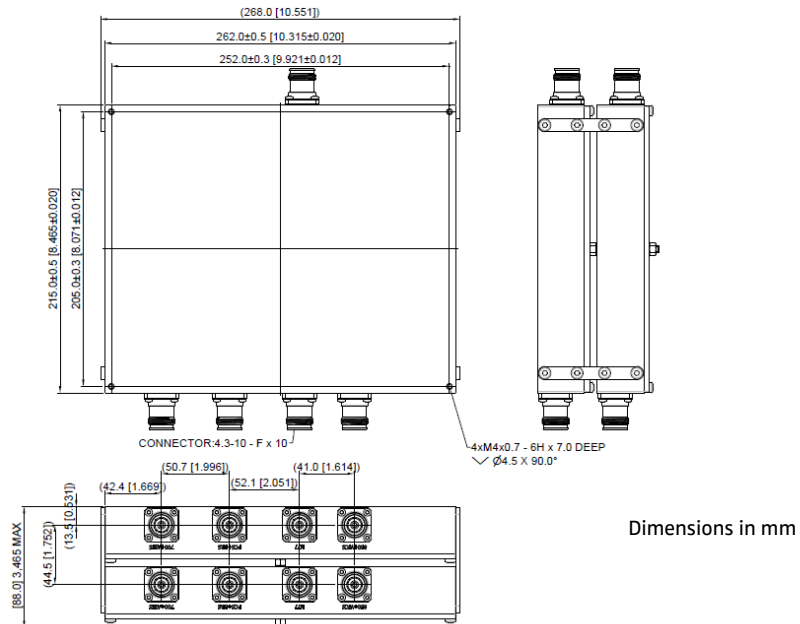
Note: Specifications are subject to change without prior notification.

22MAY2024

**BK-4003E Outline**



**BK-4003EW Outline**



Note: Specifications are subject to change without prior notification.