

- ◆ Combines 700 & Band14, 850, PCS and AWS bands
- ◆ 50 dB Input Isolation
- ◆ 250 W per port
- ◆ Guaranteed Low PiM
- ◆ Minimal RF Insertion Loss
- ◆ Rugged & High Reliability
- ◆ RoHS compliant Design
- ◆ IP67 Rated
- ◆ 4.3-10 connectors



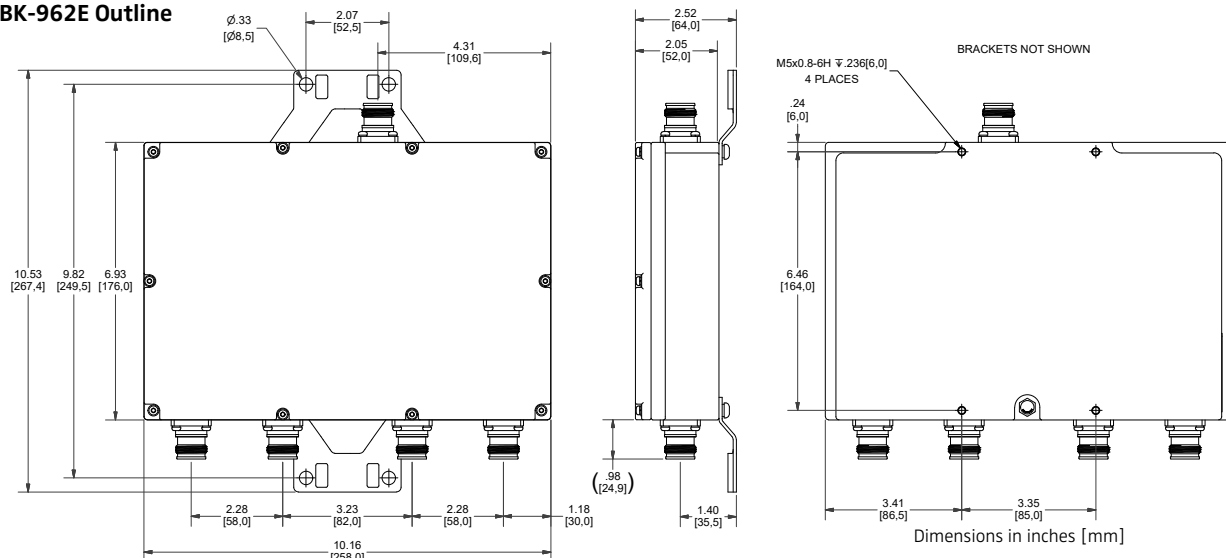
Microlab BK-962E Quadraplexer allows combination and separation of the signals in 698-798 MHz, 817-894 MHz, 1850-2000 MHz, and 1695-1780/2110-2180 MHz commercial wireless bands. The inputs are well isolated and have minimal insertion loss over their respective frequency bands to minimize band inter-reaction. Attention to mechanical design ensures it guarantees low passive inter-modulation.

It allows efficient combining or division of the standard cellular bands in a base station, coaxial distributed in-building cellular network, or DAS.

Frequency Bands:	
700:	698 - 798 MHz
850:	817 - 894 MHz
PCS:	1850 - 2000 MHz
AWS-E:	1695 - 1780/2110 - 2180 MHz
PiM:	<-161 dBc (-118 dBm) (Test with 2x 1900MHz, +43 dBm tones @ ambient)
Return Loss:	20 dB min., All ports
Isolation:	50 dB min.
Insertion Loss:	0.5 dB max., All paths
Impedance:	50Ω nom.
DC/AISG:	DC Pass on all ports
Max. Current:	2A continuous; 4A peak
Max Voltage:	±33V
OOK Insertion Loss:	<0.8 dB at 2170 MHz
OOK Return Loss:	>12 dB
Group Delay:	45ns typ. for 700 & 850 bands 20ns typ/ for PCS & AWS bands
Environment:	-35° - +65°C, IP67
EMC:	ETSI EN 300 019 class 4.1
Lightening Protection:	±5 kA, 8/20μs
Altitude:	2000 m max. (~6500 ft.)
Housing:	Painted
Connectors:	Triplate
Mounting:	Bracket included
Weight:	7.90 lbs [3.6 kg]

Model	Connector	Avg. Power
BK-962E	4.3-10 (f)	250W

### BK-962E Outline



Note: Specifications are subject to change without prior notification

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