

- ◆ Combine VHF (50-220 MHz) & UHF (380-960 MHz) services
- ◆ 50 dB Input Isolation
- ◆ 50/100 W per port
- ◆ Guaranteed Low PIM
- ◆ Minimal RF Insertion Loss
- ◆ N-type & 4.3-10 Connectors
- ◆ IP67 Rated
- ◆ RoHS compliant



Model No.	Connector (Triplate)	Dimensions inches [mm]	Weight lbs (kg)
BK-04N	N-type (f)	6.06 x 5.99 x 1.33 [153.8 x 152.2 x 33.7]	2.3 (1.0)
BK-04E	4.3-10 (f)		

Microlab BK-04 series diplexers enable the combination and separation of signals in the 50 - 220 MHz and 380 - 960 MHz wireless bands. The inputs are isolated and have minimal insertion loss over their respective frequency bands to minimize band inter-reaction. The diplexer is designed using passive, proprietary techniques for low loss, low PIM, and high reliability.

Frequency Bands::

Port 1: 50-220 MHz
Port 2: 380-960 MHz

Power:

Port 1: 50 W avg., 3 kW peak
Port 2: 100 W avg., 3 kW peak

PIM:

-153 dBc (-110 dBm) min.
(Test with 2x +43 dBm tones @ ambient)

Return Loss:

17.7 dB min.

Isolation:

50 dB min.
40 dB min. @ 380-400 MHz

Insertion Loss:

0.8 dB max.
1.0 dB max. @ 380-400 MHz

Impedance:

50 Ω nom.

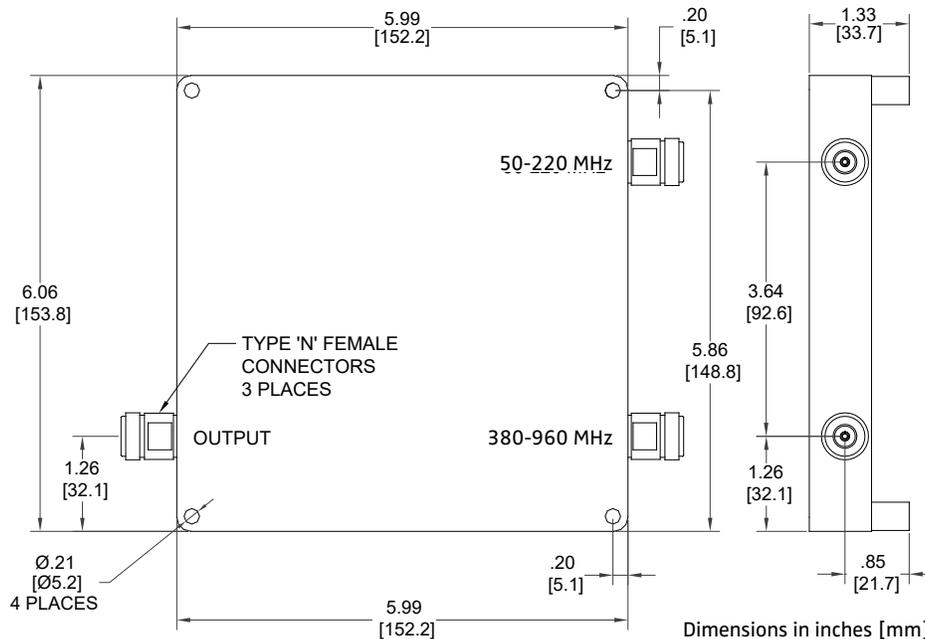
Environment:

-35 to +65°C, IP67

Housing Finish:

Passivated Aluminum

Outline



Note: Specifications are subject to change without prior notification.

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