

- ◆ Combines WiMAX or LTE with other bands on same Antenna System
- ◆ 50 dB Input Isolation
- ◆ 5W Average WiMAX Power
- ◆ Minimal RF Insertion Loss
- ◆ Rugged, High Reliability Design
- ◆ Low Passive IM., PIM
- ◆ RoHS compliant



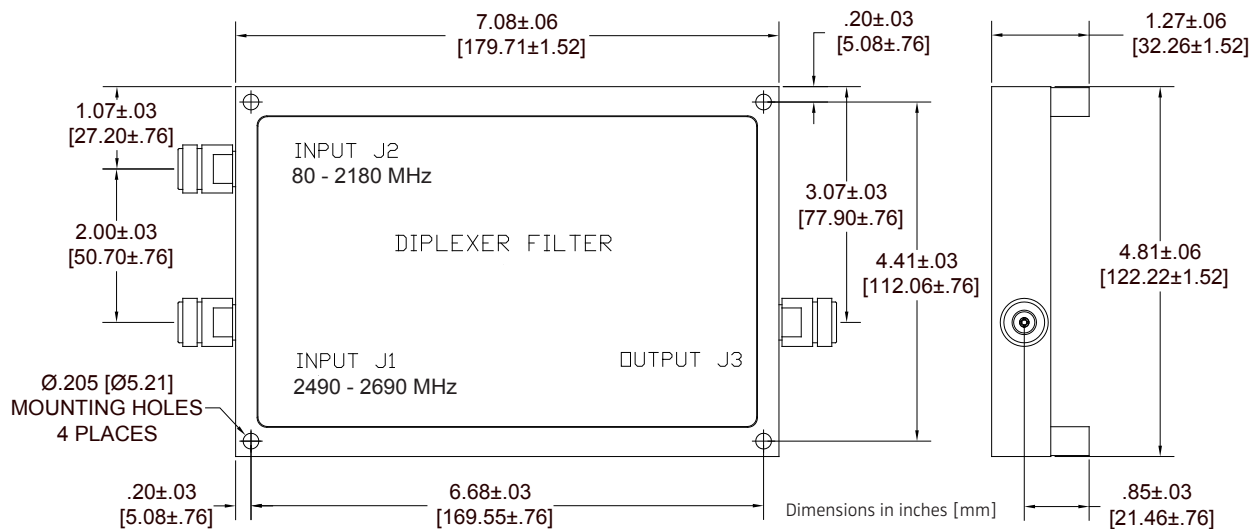
Microlab BK-67N WiMAX Injector is a filter diplexer. It links WiMAX in the 2490 - 2690 MHz band with a coaxial distributed in-building cellular network or DAS. This gives WiMAX (or LTE-2500) the benefit of the same controlled coverage as the DAS, eliminating many uncertainties.

To minimize the effects of the Injector to the DAS the inputs are well isolated and have minimal insertion loss over their respective frequency bands. The WiMAX Injector has been designed using passive, proprietary techniques to ensure minimal loss and very high reliability. Corner holes are provided for simple mounting to a surface or cable tray.

Similar Injector units are available for other WiMAX and LTE bands as well as other connectors as may be required.

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|-----------------------|--|
| Passband J1 to J3: | 2,490 to 2,690 MHz |
| Passband J2 to J3: | below 80 to 2,180 MHz |
| J1 to J2 Isolation: | >50 dB in band |
| J1 & J2 VSWR: | 1.3:1 max. |
| J1 Passband Loss: | 0.8 dB max. |
| J2 Passband Loss: | 0.3 dB max. |
| Power Rating: | J1: 5W max. J2: 150W avg., 3 kW pk. |
| Impedance: | 50Ω nominal |
| Intermod. Distortion: | <-140 dBc, <-150 dBc typ. (test with 2 +43dBm tones) |
| Environment*: | 0° - +50°C, IP64, (IP67 to order) |
| Finish: | Connectors: Triplate, N(f) Housing: Passivated Aluminum |
| Weight, nominal: | 2.0 lbs (0.91 kg) |

*Broader temperature range available with relaxed VSWR



Note: Specifications are subject to change without prior notification.

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