WLAN Injector, BK-81 series

UHF, Cellular, UMTS/W-LAN 802.11(b/g)
80 - 2170 / 2400 - 2500 MHz

- Combines W-LAN and Cellular on same Distributed Antenna System.
- Meets European Rail Standards
  EN50121
  EN50155: 2001, EN61373: 1999
  EN60068-2-1: 1995
  EN60068-2-2: 1994
  EN60068-2-30: 2000
- 50 dB Input Isolation
- Minimal RF Insertion Loss
- Rugged, Reliable, RoHS Design
- Low Passive IM., PIM

Microlab Model BK-81N series Wireless Local Area Network (W-LAN) Injector is a filter diplexer based on BK-21N. This model has been designed and tested to meet the European Rail Standards. The Diplexer links W-LAN designed to 802.11(b) or (g) with a coaxial DAS, a distributed antenna system.

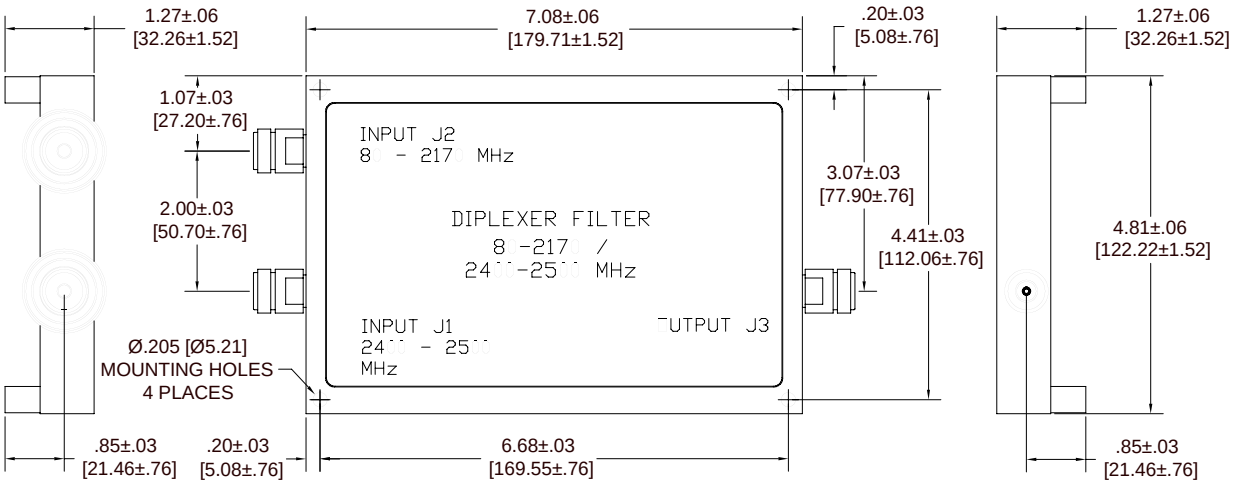
To minimize the effects of the WLAN Injector to the DAS, the inputs are well isolated and have minimal insertion loss over their respective frequency bands.

The W-LAN 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. Unit is also available with 7-16 mm DIN connectors as the BK-81D.(8/08)

Passband J1 to J3:	2,400 to 2,500 MHz
Passband J2 to J3:	below 80 to 2,170 MHz
J1 to J2 Isolation:	>50 dB in band
J1 & J2 VSWR:	1.5:1 max. 1.3:1 typ., 0° to +70°C
J1 Passband Loss:	0.6 ± 0.1 dB
J2 Passband Loss:	0.3 ± 0.1 dB
Power Rating:	J1: 8W max. J2: 150W avg., 3 kW pk.
Impedance:	50Ω nominal
Intermod. Distortion:	<-140 dBc, <-150 dBc typical (test with 2 +43dBm tones)
Environment*:	-40° - +85°C, IP67
Finish: Connectors:	Silver plated or Triplate
Housing:	Passivated Aluminum
Weight, nominal:	2.0 lbs (0.91 kg)

BK-81D with 7-16 mm DIN connectors

BK-81N with N connectors.



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