

- ◆ Combines W-LAN and Cellular on same Distributed Antenna System
- ◆ **Models for Outdoor Environments**
- ◆ 50 dB Input Isolation
- ◆ 150 W Average Power
- ◆ Minimal RF Insertion Loss
- ◆ Rugged, High Reliability Design
- ◆ Low Passive IM., PIM
- ◆ RoHS compliant



Model Numbers		Connectors	Weight. nom.
Indoor	Outdoor	(female)	lb (kg)
<b>BK-21D</b>	<b>BK-21DP</b>	7-16 mm	2.1 (0.95)
<b>BK-21N</b>	<b>BK-21NP</b>	N	2.0 (0.90)
<b>BK-21E</b>	<b>BK-21EP</b>	4.3-10	2.0 (0.90)

	Pass Band MHz	*DC Path to J3	Pass Band Loss, dB	Power Rating Avg., peak
Input J1	2400-2500	Isolated	0.6 ± 0.1	8W max,
Input J2	80-2170	2A max	0.3 ± 0.1	150W max, 3kW

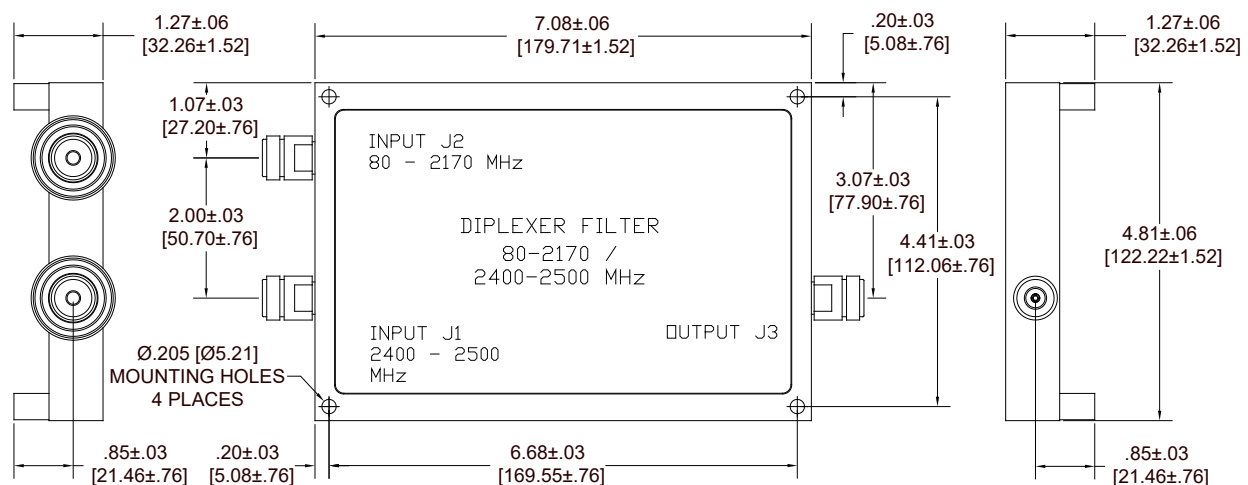
\*DC path: DC to 20 MHz

Microlab BK-21 series Wireless Local Area Network (WLAN) Injector is a filter diplexer for indoor and outdoor use. It links W-LAN designed to 802.11(b/g) with a coaxial distributed inbuilding cellular network or DAS. This gives W-LAN the benefit of the same controlled coverage as the DAS, eliminating many W-LAN uncertainties.

To minimize the effects of the Injector to the DAS the inputs are well isolated and have minimal insertion loss.

The W-LAN Injector has been designed using passive, proprietary techniques to ensure minimal loss and high reliability. Corner holes are provided for simple mounting to a surface or cable tray. For outdoor environments use the model with the suffix 'P'.

Input J1-J2 Isolation: >50 dB  
 Input Return Loss: >18 dB  
 Impedance: 50Ω nominal  
 Intermod. (PIM): -161 dBc  
 2 x +43dBm tones  
 Environment: \*0 to +50°C  
 Housing Finish:  
 Indoor/IP64: Standard model  
 Passivated Al.  
 Outdoor/IP67: Painted  
 Add P to Model No.  
 Connectors: Triplate  
 \*Broader range available with relaxed VSWR



Note: Specifications are subject to change without prior notification.

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