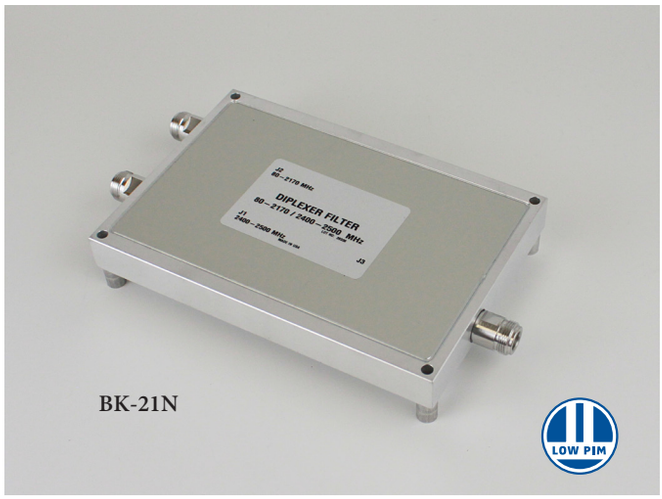
WLAN Injector, BK-21 series

UHF, Cellular, UMTS In-Building/W-LAN 802.11(b/g)
80 - 2170 / 2400 - 2500 MHz, N, 7/16, or 4.3-10
Rev. D

- Combines W-LAN and Cellular on same Distributed Antenna System
- Models for Outdoor Environments
- Meets European Rail Standards EN50155:2007 (Class T3)
- 50 dB Input Isolation
- 150 W Average Power
- Minimal RF Insertion Loss
- Rugged, High Reliability Design
- Low Passive IM., PIM
- RoHS compliant



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

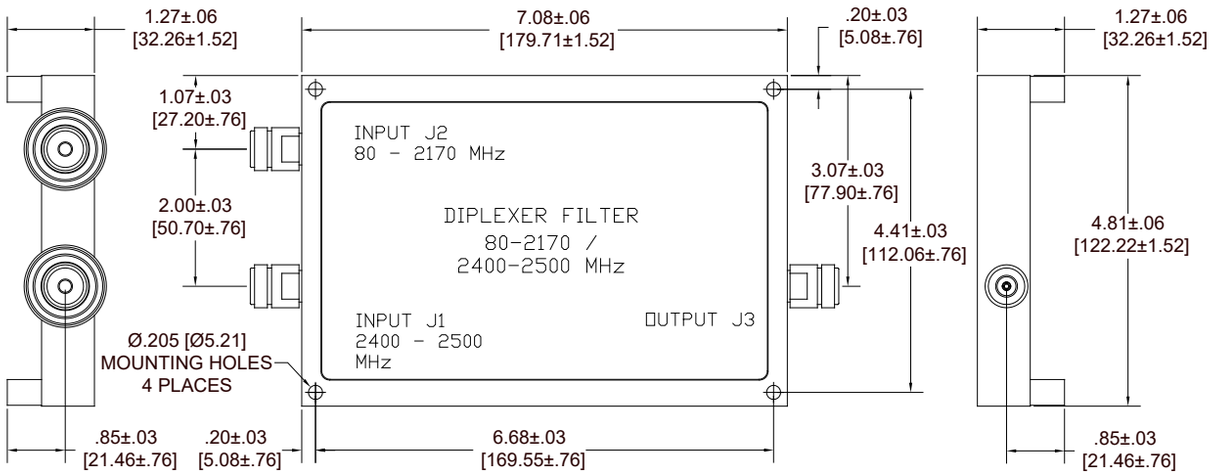
Microlab BK-21 series Wireless Local Area Network (WLAN) Injector is a filter diplexer for indoor and outdoor use. It links W-LAN designed to 802.11(b/g) with a coaxial distributed inbuilding cellular network or DAS. This gives W-LAN the benefit of the same controlled coverage as the DAS, eliminating 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 J1 & J2 VSWR:	<1.3:1
Impedance:	50Ω nominal
Intermod. (PIM):	<-153 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



Dimensions in inches [mm]

Note: Specifications are subject to change without prior notification.

24JUL2018

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