

- Injects Tetra or LMR/P25 to all other 694 - 2700 bands
- Models for Outdoor Environments
- High Input Isolation
- High Average Power
- Meets European Rail Standard EN50155:2001 (Class T1)
- Rugged, High Reliability, RoHS

>13 dB, 960-1500 MHz

 $50\Omega$  nominal

-35 to +65°C

Standard model Passivated Al.

Add P to Model No.

-161 dBc 2 x +43dBm tones

Painted

Triplate

- Low Passive IM., PIM
- Low Cost Design

except

Intermod. (PIM):

Environment:

Housing Finish:

Indoor/IP64:

Connectors:

Outdoor/IP67:

Impedance:



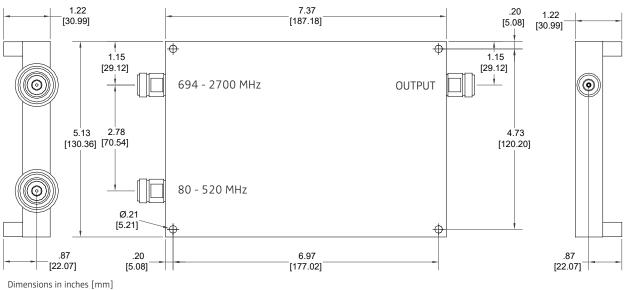
TETRA-LMR-P25 Injector to other Wireless Bands 80 - 520/694 - 2700 MHz, N, 7-16, or 4.3-10 Rev. E



Model Number	Connectors (female)	Weight. nom. Ib (kg)		Pass Bands, MHz	Input Isolation	Pass Band Loss	Power Rating Avg, peak
BK-24D BK-24N	7-16 mm N	2.2 (1.0) 1.9 (0.8)	Input P1	80 - 520	>50 dB	<0.3 dB	50W., 3 kW
<b>BK-24E</b> <u>Add 'P'</u>	4.3-10 <u>to Model Numbe</u>	1.9 (0.8) er for Outdoor Use	Input P2	694 - 800 800 - 2500 2500 - 2700	>40 dB >50 dB >30 dB	<0.5 dB	120W., 3 kW
Input Retu	urn Loss: >16 d	B. >18 dB typical		2500 - 2700	>30 UB		

Microlab Model BK-24 series is a Diplexer which allows combination and separation of signals in the 80 - 520 MHz and 694 - 2700 MHz wireless bands. To minimize band inter-reaction, the inputs are well isolated and have minimal insertion loss over their respective frequency bands. The Diplexer is designed using passive, proprietary techniques for low loss, low PIM and high reliability

For use in outdoor environments add the suffix 'P' to Model No. (e.g. BK-24NP).



Note: Specifications are subject to change without prior notification.

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