

- ◆ Injects Tetra or LMR/P25 to all other 698 - 2700 bands
- ◆ **Models for Outdoor Environments**
- ◆ High Input Isolation
- ◆ High Average Power
- ◆ Minimal RF Insertion Loss
- ◆ Rugged, High Reliability, RoHS
- ◆ Low Passive IM., PIM
- ◆ Low Cost Design



Model Number	Connectors (female)	Weight. nom. lb (kg)
<b>BK-24D</b>	7-16 mm	2.2 (1.0)
<b>BK-24N</b>	N	1.9 (0.8)
Add 'P' to Model Number for Outdoor Use		

	Pass Bands, MHz	Input Isolation	Pass Band Loss	Power Rating Avg, peak
Input P1	80 - 520 698 - 800	>50 dB >40 dB	<0.3 dB	50W., 3 kW
Input P2	800 - 2500 2500 - 2700	>50 dB >30 dB	<0.5 dB	120W., 3 kW

Input J1/J2 VSWR:	<1.35:1, <1.30 typical except <1.60:1 960-1500 MHz
Impedance:	50Ω nominal
Intermod. (PIM):	<-150 dBc 2 x +43dBm tones
Environment:	-35 to +65°C
Housing Finish:	
Indoor/IP64:	Standard model Passivated Al.
Outdoor/IP67:	Painted Add P to Model No.
Connectors:	Triplate

Microlab Model BK-24 series is a Diplexer which allows combination and separation of signals in the 80 - 520 MHz and 698 - 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). (02/13)

