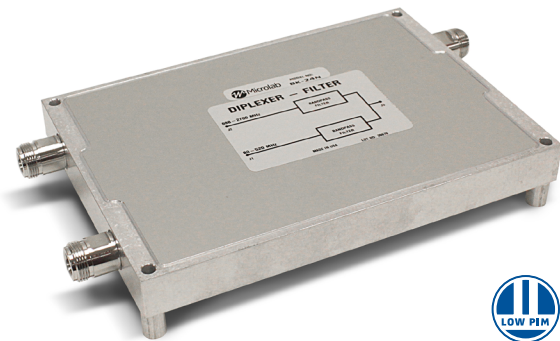


- ◆ Inject Tetra or LMR in to existing standard networks
- ◆ Guaranteed Low PIM
- ◆ Meets European Rail Standard EN50155:2001 (Class T1)
- ◆ High Input Isolation
- ◆ 50W/120W Power Rating
- ◆ 4.3-10 & N-type Connectors
- ◆ RoHS Compliant



Microlab BK-24 series diplexer 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-24EP).

PIM: -161 dbc (-118 dBm) min. (Test with 2x +43dBm tones)
 Input VSWR: 1.30 typ., 1.35:1 max., 1.60:1 max. @ 960-1500 MHz
 DC Pass: 3A max., Port P1 only
 Impedance: 50 Ω nom.
 Environment: -35 to +65°C, IP67
 Housing Finish: Passivated Aluminum
 Outdoor: Painted (Add P to Model No)
 Connectors: Female Triplate

Input Port	Frequency MHz	Input Isolation, dB	Insertion Loss, dB	Power Rating
P1	80-520	>50	<0.3	50 W avg
	694-800	>40		3 kW peak
P2	800-2500	>50	<0.5	120 W avg
	2500-2700	>30		3 kW peak

Model no.	Connectors	Weight lb (kg)
BK-24E	4.3-10	1.9 (0.8)
BK-24N	N-type	1.9(0.8)
Add 'P' to Model Number for Outdoor Use		

Outline

