

Ultra Wideband Diplexer, BK-12 series

80 - 960 MHz Injector to other Wireless Bands 80 - 960/1710 - 2700 MHz, N or 7-16 DIN

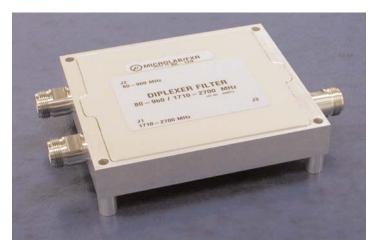
- ♦ Injects Tetra, LMR/P25, GSM-850, etc., to all other 1710 - 2700 MHz bands
- ♦ High Input Isolation
- High Average Power
- ♦ Minimal RF Insertion Loss
- Rugged, High Reliability
- ♦ Low Passive IM., PIM
- ♦ Low Cost Design

Model	Connectors	Weight. nom.
Number	(female)	lb (kg)
BK-12D	7-16 mm	1.4 (0.65)
BK-12N	N	1.2 (0.55)

Microlab Model BK-12 series is a Diplexer which allows combination and separation of signals in the 80 - 960 MHz and 1710 - 2700 MHz wireless bands. To minimize band interreaction, the inputs are well isolated and have minimal insertion loss over their respective frequency bands. Attention to mechanical

The Diplexer is designed using passive, proprietary techniques for low loss and high reliability (04/11)

design ensures low passive intermodulation.



	Pass Band MHz	Pass Band Loss	Power Rating	DC Path to J3	
Input J2	80 - 960	<0.3 dB	80W max	2A max	
Input J1	1710 - 2700	<0.5 dB	40W max	Isolated	

 $\begin{array}{lll} \mbox{Input Isolation:} & >50 \mbox{ dB} \\ \mbox{Input J1/J2 VSWR:} & <1.2:1 \\ \mbox{Peak Power Rating:} & 3 \mbox{ kW peak} \\ \mbox{Impedance:} & 50\Omega \mbox{ nominal} \end{array}$

Intermod. (PIM): <-150 dBc tested with 2 x +43dBm tones Environment: IP64, -35°C to +55°C (IP67 to order)

Finish: Connectors: Triplate

Housing: RoHS coated aluminum

