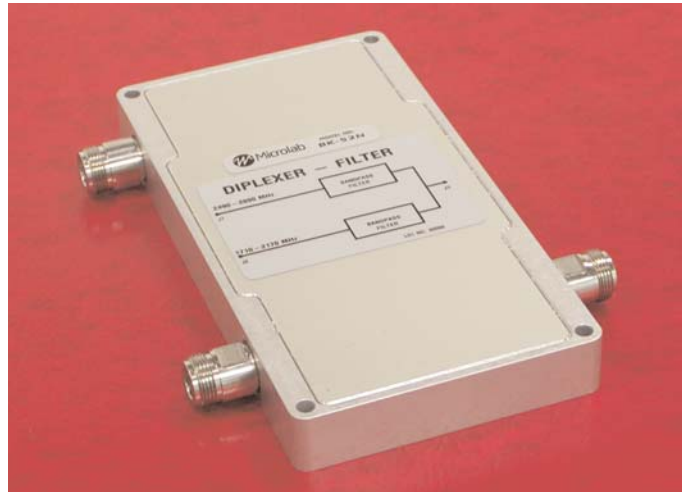


### Advanced data

- ◆ Integrates LTE & Wireless Bands
- ◆ 50 dB Input Isolation
- ◆ 250 W/port Avg. Power
- ◆ Minimal RF Insertion Loss
- ◆ Rugged, High Reliability
- ◆ Low Passive IM., PIM
- ◆ Very Low Cost Design
- ◆ RoHS compliant



Model Nos.	Conn. Type	Frequency Band, MHz	Input Isolation	Passband Loss, dB typ. max	VSWR All Ports	Power /input
BK-52D	7-16 (f)	<b>Low Band, J1</b> 1710 - 2170	>50 dB	0.20 0.30 0.25 0.35	<1.25:1	250W avg. 3 kW peak
BK-52N	N (f)	<b>High Band, J2</b> 2490 - 2690				

Microlab Model BK-52 series Diplexers allow combination and separation of the signals in 1710 - 2170 MHz wireless band with the LTE-2600 range of 2490 - 2690 MHz.

Inputs are isolated >50 dB with minimal insertion loss over their frequency bands. The Diplexer has been designed using passive, proprietary techniques which minimizes cost and size and ensures low PIM. Desired DC/AISG paths are available at time of ordering. (09/10)

Impedance: 50Ω nominal  
Intermod. (PIM): <-150 dBc  
with 2 x +43dBm (20W) tones  
Environment: -35°C to +55°C,  
IP64 (IP67 to order)  
Finish:  
Connectors: Triplate  
Housing: RoHS coated Aluminum  
Weight, nom: 2.7 lbs (1.25 kg)

