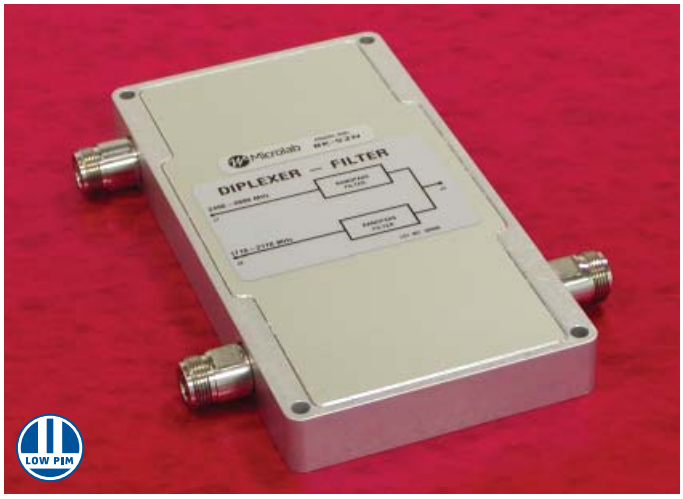
LTE Diplexer Filter, BK-52 series

LTE-2600 and GSM-1800/UMTS Diplexers
2490 - 2690 MHz Band Combiners
Rev. A

- 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

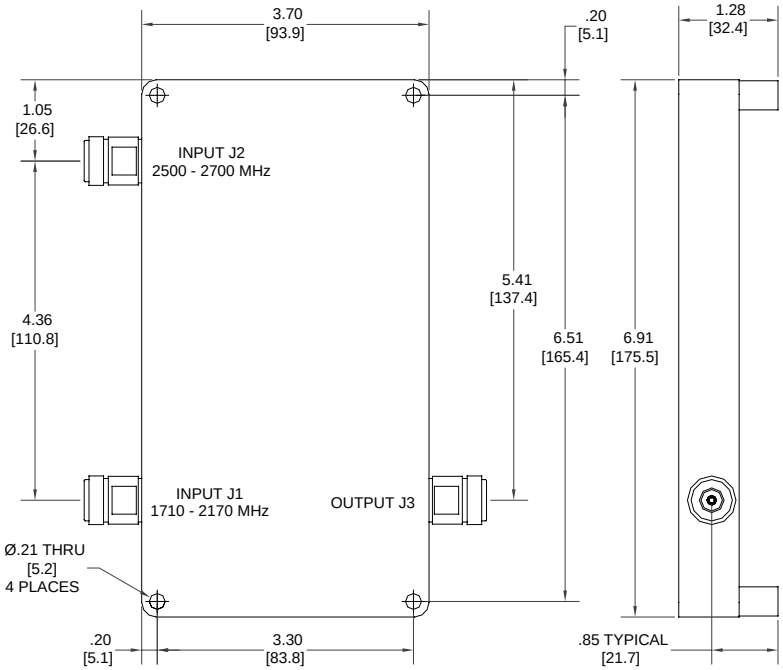


Model Nos.	Conn. Type
BK-52D	7-16 (f)
BK-52N	N (f)

	Frequency Band, MHz	Input Isolation	Passband Loss, dB typ.	Passband Loss, dB max	VSWR All Ports	Power /input
Low Band, J1	1710 - 2170	>50 dB	0.20	0.30	<1.25:1	250W avg.
High Band, J2	2490 - 2690		0.25	0.35		3 kW peak

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. (01/13)



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)

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