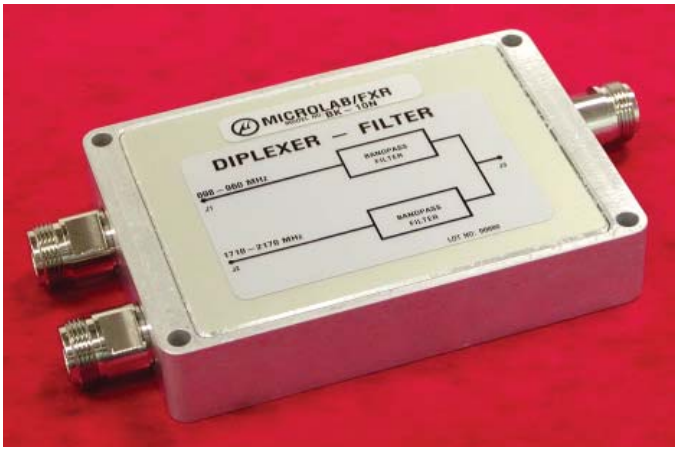
Low Cost Diplexer Filter, BK-10N

Cellular/GSM, PCS-GSM-1800-UMTS Diplexer
698 - 960/1710 - 2170 MHz
Rev. A

- Integrates Wireless Bands
- 50 dB Input Isolation
- 20W/port Avg. Power
- Minimal RF Insertion Loss
- Rugged, High Reliability,
- Low Passive IM., PIM
- Low Cost Design
- RoHS compliant

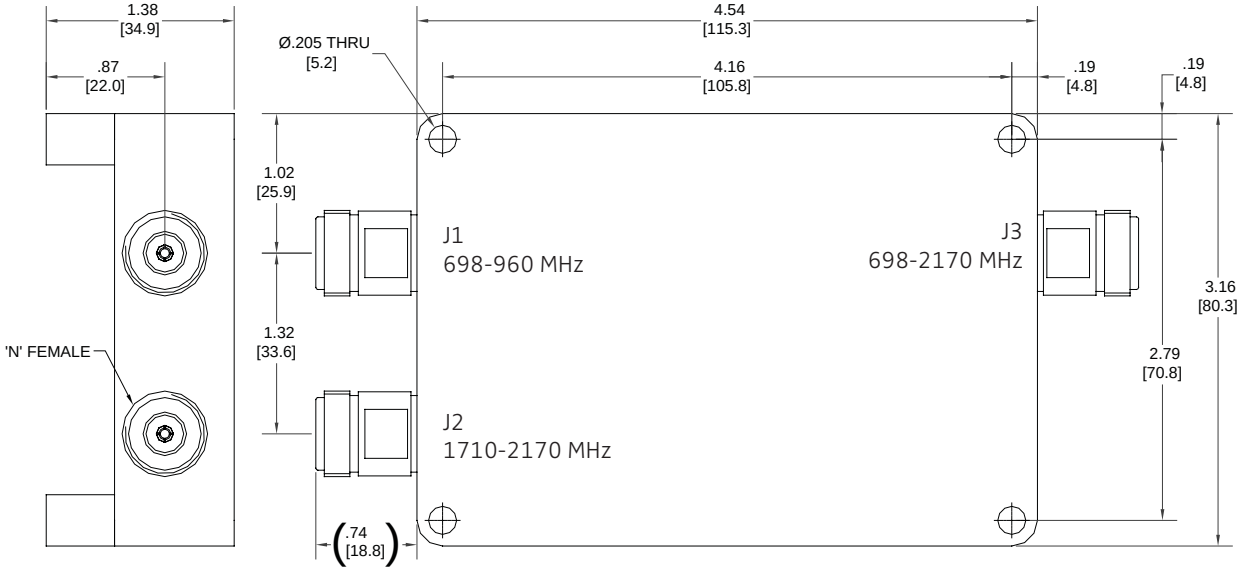


Model Number	Connectors (female)	Port J1:J3 (MHz)	Port J2:J3 (MHz)	VSWR All ports	Isolation J1:J2	Pass Band J1:J3	Loss J2:J3	Power/Port avg./pk.	Weight oz (g)
BK-10N	N	698 - 960 + 1A dc	1710 - 2170 + 1A dc	<1.25:1	>50 dB	<0.4dB	<0.6dB	20W/3kW	20 (560)

Microlab Model BK-10N is a Diplexer which allows combination and separation of the signals in 698 - 960 MHz and the 1710 - 2170 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 has been designed using passive, proprietary techniques which minimizes cost and size. At the same time it ensures minimal loss and very high reliability at input powers up to 20W per input. Powers to 250W per input, 7-16 mm connectors and ultra low PIM are available in the BK-20 series. (01/13)

Impedance:	50Ω nominal
Intermod. (PIM):	<-140 dBc with 2 x +43dBm tones
Environment:	-35°C to +55°C, IP64 (IP67 to order)
Finish:	
Connectors:	Triplate
Housing:	RoHS coating



Microlab, A Wireless Telecom Group Company, 25 Eastmans Road, Parsippany, NJ 07054
Tel: (973) 386-9696 • sales@microlab.fxr.com • www.microlab.fxr.com • Fax: (973) 386-9191