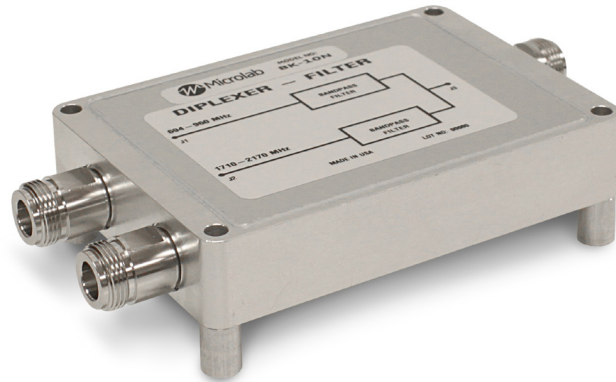


- ◆ Integrates Wireless Bands
- ◆ 50 dB Input Isolation
- ◆ 20W/port Avg. Power
- ◆ Minimal RF Insertion Loss
- ◆ Rugged, High Reliability,
- ◆ Low Passive IM., PIM
- ◆ Low Cost Design
- ◆ RoHS compliant

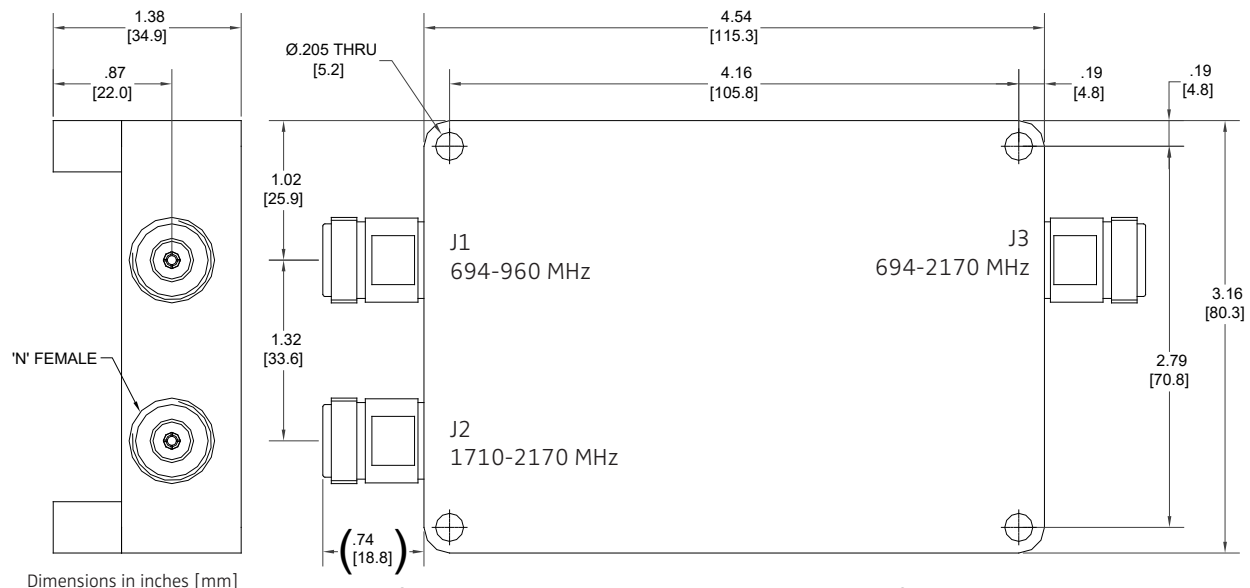


Model Numbers	Port J1:J3	Port J2:J3	Return Loss	Isolation	Pass Band	Loss	Power/Port	Weight
N-Conn	4.3-10	(MHz)	All Ports	J1:J2	J1:J3	J2:J3	avg./pk.	oz (g)
<b>BK-10N</b> <b>BK-10E</b>	694 - 960 + 1A dc	1710 - 2170 + 1A dc	>19 dB	>50 dB	<0.4dB	<0.6dB	20W/3kW	20 (560)

Microlab Model BK-10 series is a Diplexer which allows combination and separation of the signals in 694 - 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.

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



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