

- ◆ 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

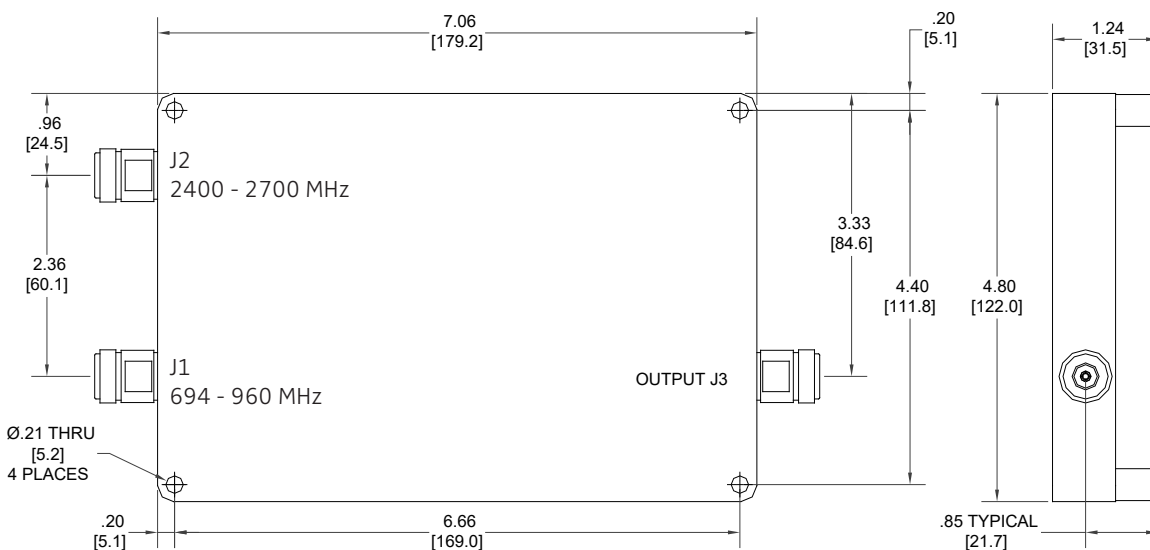


Model Numbers (7-16)	Low Band (MHz) (N-Conn) Port 1, J1:J3	High Band (MHz) Port 2, J2:J3
BK-51D BK-51N	694 - 960	2400 - 2700

Microlab Model BK-51 series Diplexers allow combination and separation of the signals in 694 - 960 MHz wireless band with the LTE-2600 range of 2490 - 2690 MHz and the WiFi band 2400 - 2490 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 order.

J1:J2 Isolation:	>50 dB in band
Return Loss:	>19 dB, all ports
Passband Loss:	
J1:J3	<0.15 dB typ., 0.25 max.
J2:J3	<0.20 dB typ., 0.30 max.
Input Power Rating:	250W/input avg., 3 kW peak
Impedance:	50Ω nominal
Intermod. (PIM):	<-150 dBc (Call for <-155 dBc with 2 x +43dBm (20W) tones
Environment:	-35°C to +55°C, IP64 (IP67 to order)
Finish: Connectors:	Triplate
Housing:	RoHS coated aluminum
	May be ordered without feet
Weight, nominal:	2.7 lbs (1.25 kg)



Call for BK-51D outline

Note: Specifications are subject to change without prior notification.

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