

## \$ Saver Product Line

- ◆ Integrates 700/850 MHz Bands
- ◆ Guaranteed Low PIM <-153 dBc
- ◆ 50 dB minimum Input Isolation
- ◆ 100 W/port Avg. Power
- ◆ Minimal RF Insertion Loss & Ripple
- ◆ Rugged, High Reliability
- ◆ Indoor and Outdoor IP67 Models
- ◆ RoHS compliant



BK-75D  
Outdoor Model



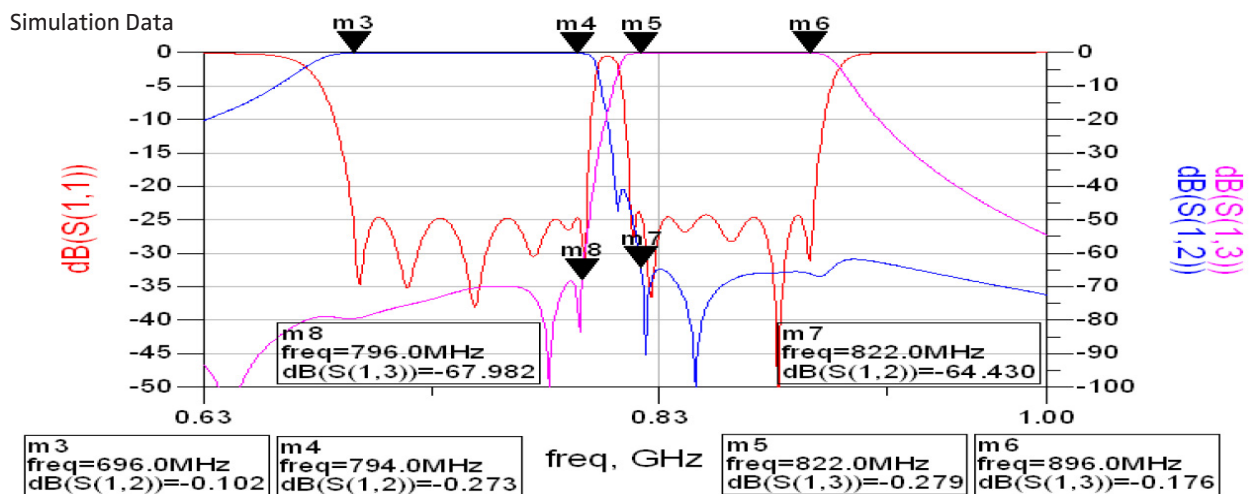
Model Number	Connector Type	Environmental Specification*	Weight, nom. lb. (kg)
BK-75D	7-16(f)	IP67, -30 to +65°C	6.60 (3.00)
BK-75N	N(f)	Indoor, -25 to +55°C	4.50 (2.05)

\*Measured to ETSI EN 300 019 class 4.1

Microlab Model BK-75 is a Diplexer which allows combination and separation of the signals in the LTE band 698 - 793 MHz and the 824 - 894 cellular band. 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 100W per input.

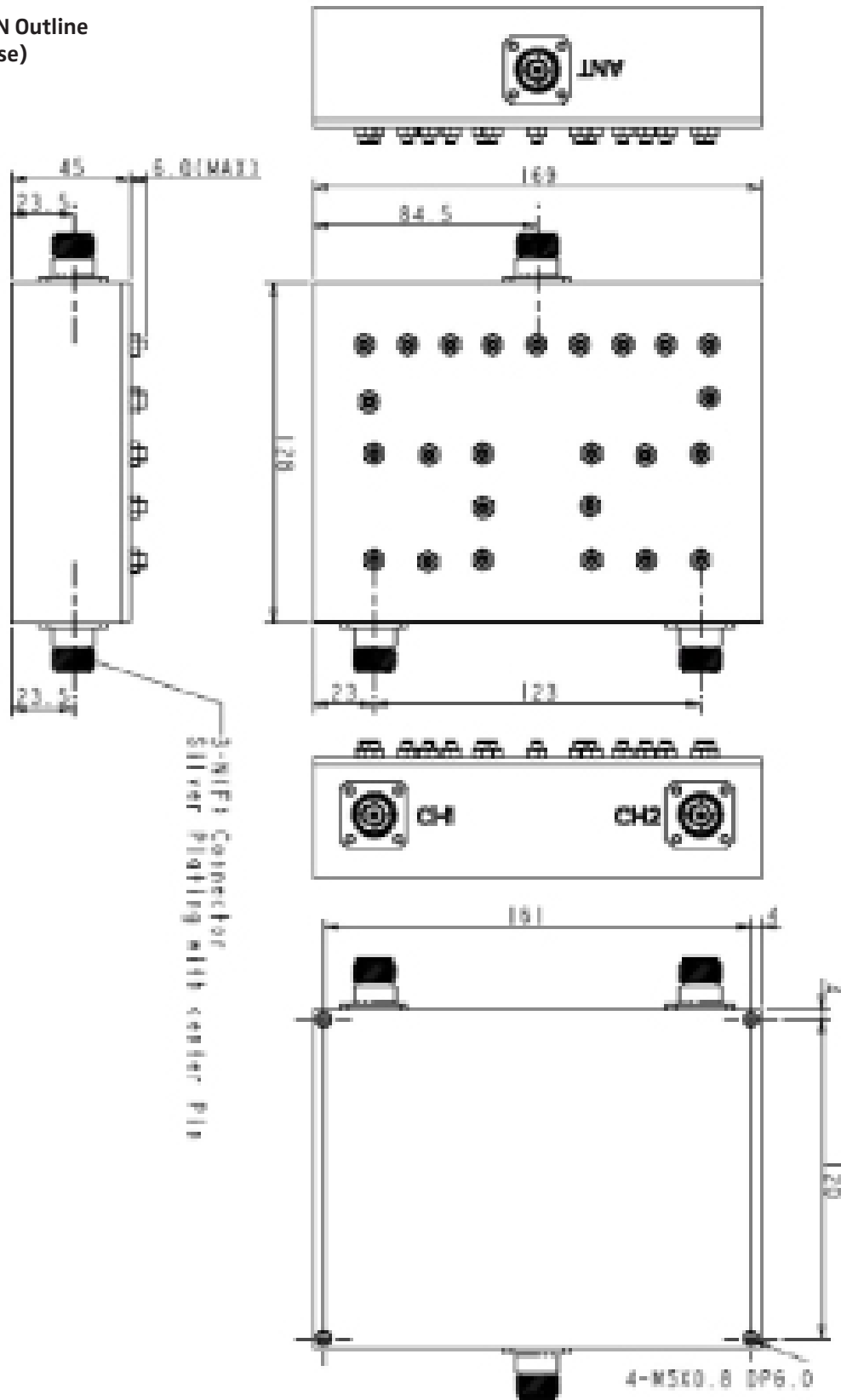
Frequency Bands:	
Port 1 - Port 3:	698 - 793 MHz
Port 2 - Port 3:	824 - 894 MHz
P1:P2 Isolation:	60 dB typ., >50 dB in band
Return Loss:	>19 dB, all ports
Passband Loss:	0.35 dB typ., 0.6 dB max.
Passband Ripple:	0.2 dB typ., 0.4 dB max.
PIM, (Passive Intermod)	<-153dBc, for 2 x 20W tones measured in downlink band
Input Power Rating:	100W/input avg., 3 kW peak
DC Path:	Center Pins DC short to ground
Impedance:	50Ω nominal
Finish:	
Connectors:	Silver plating
Housing BK-75D:	Powder Coating, RAL 7035
Housing BK-75N:	Silver Plating
EMC:	ETS 300 342-3



Note: Specifications are subject to change without prior notification.

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Model BK-75N Outline  
(for Indoor Use)



**Model BK-75D Outline  
(For Outdoor Use)**

