

### \$ Saver Product Line

- ◆ Integrates 700/850 MHz Bands
- ◆ 50 dB Input Isolation
- ◆ 100 W/port Avg. Power
- ◆ Minimal RF Insertion Loss & Ripple
- ◆ Rugged, High Reliability,
- ◆ Low Cost Design
- ◆ RoHS compliant



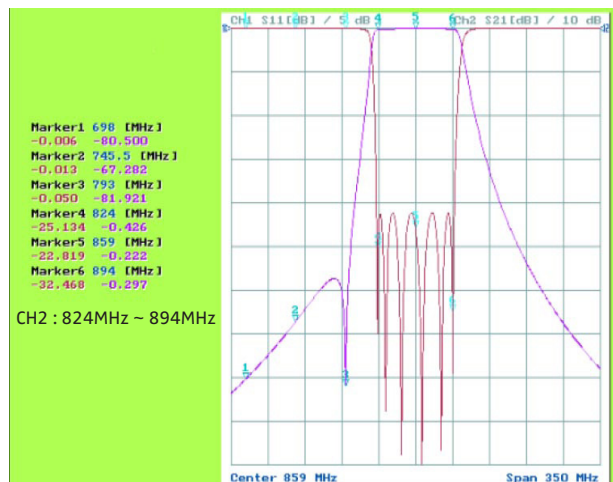
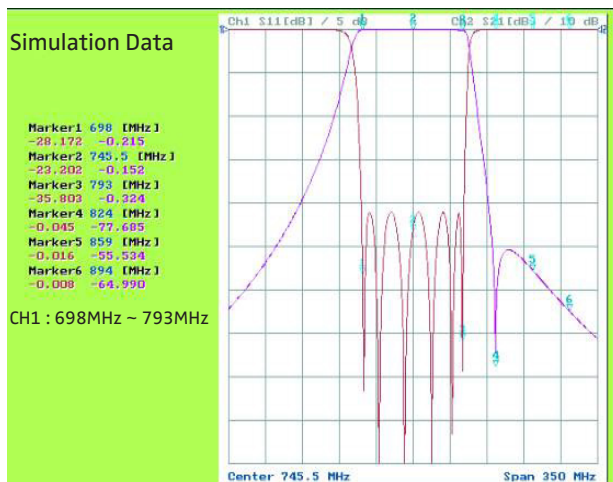
Microlab Model BK-71N is a Diplexer which allows combination and separation of the signals in the LTE band 698 - 793 MHz and the 824 - 894 cellular band. To minimize band inter-reaction, the inputs are well isolated and have minimal insertion loss over their respective frequency bands.

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.

This unit is also available with 7-16 mm connectors as the BK-71D.

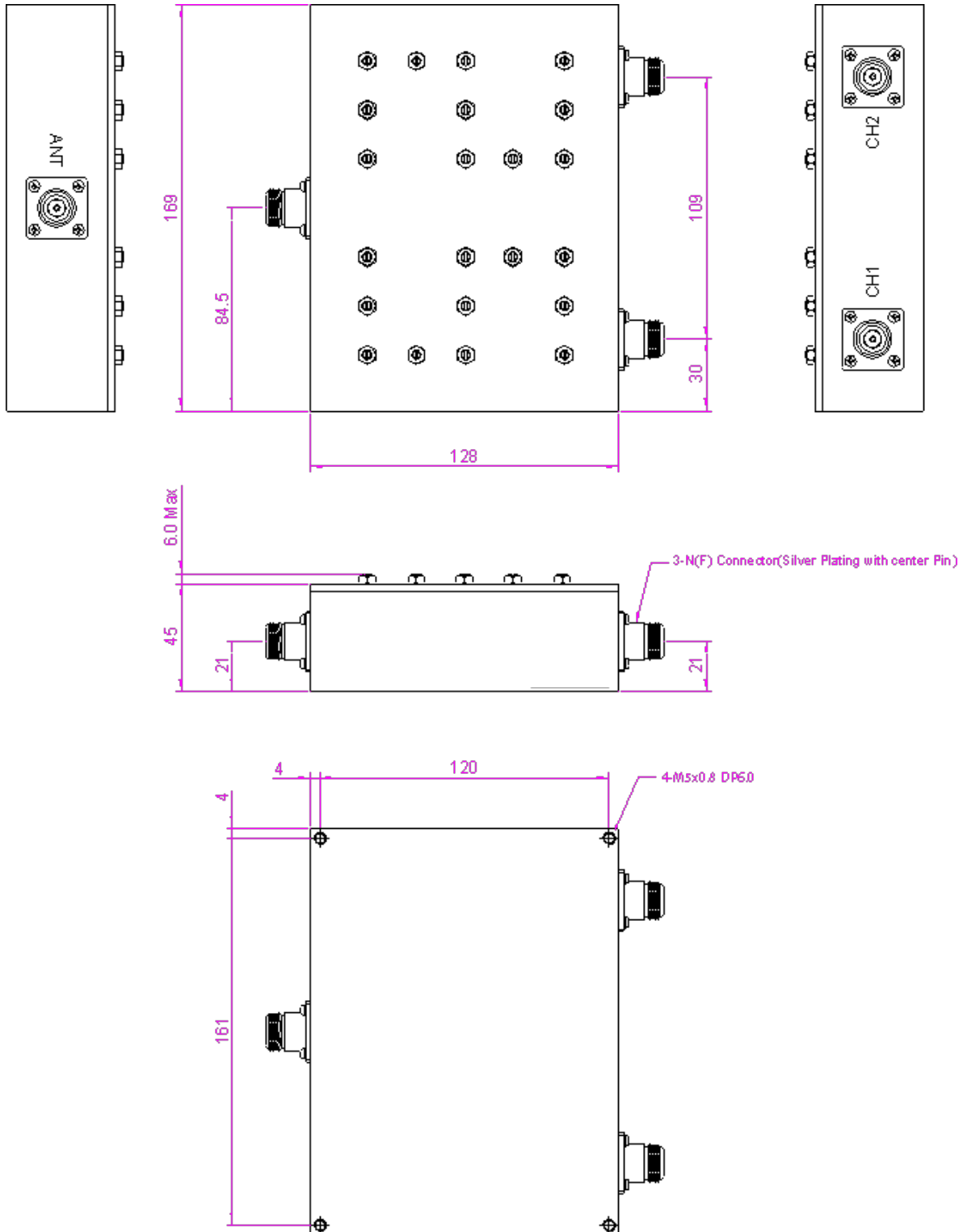
#### Frequency Bands:

Port 1 - Port 3:	698 - 793 MHz
Port 2 - Port 3:	824 - 894 MHz
P1:P2 Isolation:	>50 dB in band
Return Loss:	>19 dB, all ports
Passband Loss:	<0.6 dB
Passband Ripple:	<0.4 dB
Input Power Rating:	100W/input avg., 3 kW peak
DC Path:	Center Pins DC short to ground
Impedance:	50Ω nominal
Environment:	-25°C to +55°C, Indoor
Finish:	Connectors: N(f) Silver plating
	Housing: Black color epoxy
Weight, nominal:	4.50 lbs (2.05 kg)



Note: Specifications are subject to change without prior notification.

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**Indoor Model BK-71N Outline  
(169.0 x 128.0 x 45.0)**


**Outdoor Model BK-71NP Outline  
(181.0 x 140.0 x 56.0)**
