700/850 MHz Diplexer Filter, BK-71N

700 MHz Band and 850 MHz Cellular Cavity Diplexer
698 - 793/824 - 894 MHz, N connectors

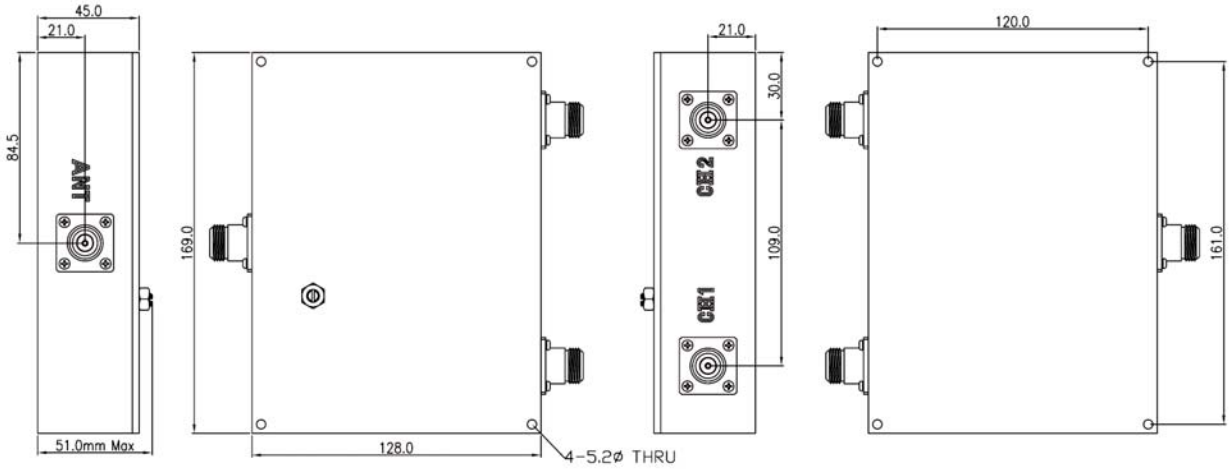
- Integrates 700/850 MHz Bands
- 50 dB Input Isolation
- 100 W/port Avg. Power
- Minimal RF Insertion Loss & Ripple
- Rugged, High Reliability,
- Low Cost Design
- RoHS compliant

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.

DC pass through connections may be added to the design as required. (11/09)

Frequency Bands:		
	Port 1 - Port 3:	698 - 793 MHz
	Port 2 - Port 3:	824 - 894 MHz
Passband Ripple:		<0.4 dB
P1:P2 Isolation:		>50 dB in band
VSWR, all ports:		1.25:1 max.
Passband Loss:		<0.6 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)



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