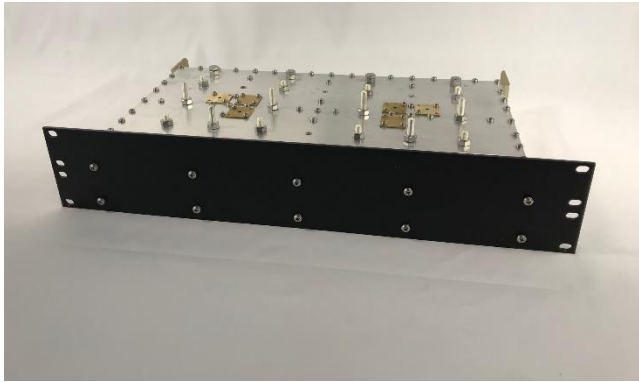


# MWF9BMCN-N (896-901 MHz) 900 MHz Receive Milled Window Filter with 894 MHz Cellular Notch



900 MHz Receive Milled Window Filter with Cellular Notch

## Features and Benefits

- ❖ This high performance window filter system for the 900 MHz bands enhances receive selectivity, isolation from transmitters, and protection against 894 MHz cellular signals.
- ❖ The filter passes the 896-901 MHz receiver spectrum and protects against 900 MHz carriers. In this tough spectrum, cellular transmitters are just 2 MHz below the 896 MHz passband edge, and this filter uses an integrated pass-notch configuration to attenuate these carriers.
- ❖ Milled aluminum construction provides outstanding selectivity characteristics in a rugged and compact package – only 2 RU and 16.0” depth

## Ordering Information

**MWF9BMCN-N**

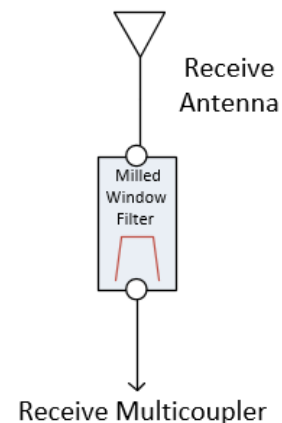
900 MHz RX Milled Window Filter with Cellular Notch

*Filter must be factory tuned; Provide frequency information at time of order*

## Specifications

Electrical Specifications	
Frequency Band	896-901 MHz
Pass Bandwidth	5 MHz
Isolation at TX Frequencies (935-940 MHz)	>105 dB
Isolation at Notch (894 MHz)	>70 dB
<b>Insertion Loss</b>	
At 896 MHz:	<2.9 dB
At 899 MHz:	<1.8 dB
At 901 MHz:	<2.3 dB
Impedance	50 Ohm
Return Loss	>14 dB
Mechanical Specifications	
Filter Construction/Finish	Milled Aluminum casting /Clear Chem Film
Mounting Chassis Rear & brackets	Clear Chem Film
Mounting Chassis Front Panel	AL panel, black powdercoat
Connectors	N-Female
Mounting	EIA 19-inch rack
Temperature Range	-30° C to +60° C
Dimensions and Weight	
Width --	19.0 in
Height	3.5 in (2RU)
Depth	11.1 in
Weight / Shipping Weight	11 lbs. / 19 lbs.

## Application



# MWF9BMCN-N (896-901 MHz) 900 MHz Receive Milled Window Filter with 894 MHz Cellular Notch

## Filter Characteristics

