



# High Performance C-Band Interference Elimination Filters

## Model 7894D

A premium, copper-constructed bandpass filter, the model 7894D achieves the **lowest VSWR** of any ultra-selective C-band BPF available in the industry.

Since low **VSWR = more available signal**, this filter is ideal for eliminating WiMAX, RADAR and other sources of interference in **fringe** or **weak** signal areas and can also be used to optimize antenna performance at any C-band (3.7-4.2 GHz) receive site.

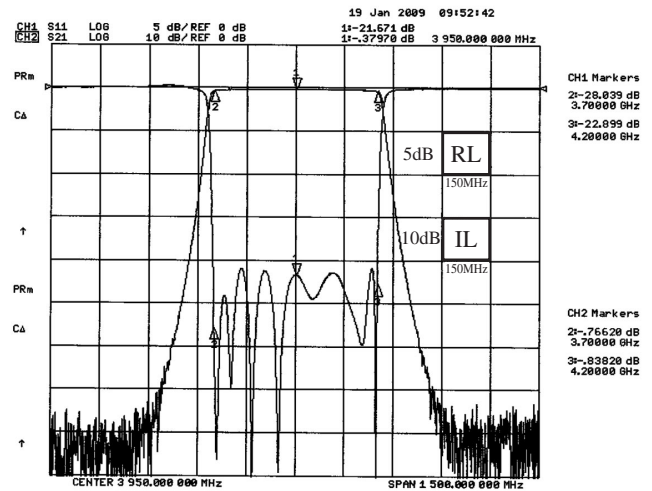
Extended band (3.6-4.2 GHz) and Super-Extended band (3.4-4.2 GHz) versions are also available upon request.



### Specifications:

Passband:	3.7 - 4.2 GHz
Insertion Loss:	<0.4 dB Typ @ center band 0.5 dB roll off @ band edges
Passband VSWR:	1.29:1 Max
Return Loss:	18 dB Min
Group Delay Variation:	8 ns Max
Rejection:	
25 dB Min	3.65/4.25 GHz
60 dB Min	3.55/4.35 GHz
70 dB Min	3.50/4.40 GHz
Transmit Band Rejection:	>70 dB Typ from 5.8-6.725 GHz
Flanges:	CPR-229G, CPR-229F
Weight:	2.6 lbs. (1.2 Kg)
Dimensions:	5 3/4" L x 3 7/8" W x 2 3/4" (146mm x 98mm x 70mm)
Finish:	Gray Lacquer

\* Half gasket is supplied with each model



Return Loss 7894D

**MICROWAVE FILTER CO., INC.**  
6743 KINNE STREET, E. SYRACUSE, NY 13057  
E-Mail: [mfcsales@microwavefilter.com](mailto:mfcsales@microwavefilter.com)

800-448-1666 • 315-438-4700  
Web: [www.microwavefilter.com](http://www.microwavefilter.com)