



# Enhanced Performance C-Band Interference Elimination Filter Model 13961WE

The optimum filter choice for eliminating interference from WiMAX, RADAR and virtually any other potential source of out-of-band interference.

Combining model 13961W performance with special component-plating processes, the model 13961WE offers truly enhanced performance.



Utilizing a durable and true one piece body/flange construction, the 13961WE is shipped with hardware & gasketing and is ready to install between the feedhorn and the LNB/LNA.

**International bands are also available.**

No other C-band interference elimination filter within the industry offers all of these features:

Length:	5.49" (13.9 cm)
Weight:	1.125 lb. (0.51 kg)
Passband VSWR:	1.44:1 Max.
Group Delay Variation:	7 nS Max.
Insertion Loss:	0.3 dB Approx. @ center band 0.3 dB Approx. roll off @ band edges
Rejection :	45 dB Min @ 3.65 GHz / 4.25 GHz 60 dB Typ @ 3.55 GHz / 4.35 GHz 70 dB Typ @ 3.50 GHz / 4.40 GHz

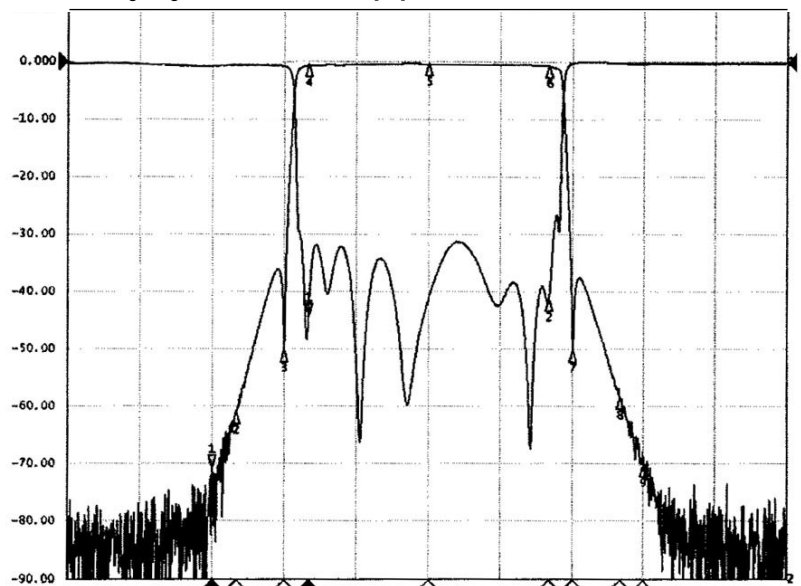
### Other Specifications:

Passband:	3.7 - 4.2 GHz
Transmit Band Rejection:	> 70 dB Typ from 5.8-6.5 GHz
Flanges:	CPR229G (Input) CPR229F (Output)

#### Marker

1	3.500000 GHz -70.524 dB
2	3.550000 GHz -60.894 dB
3	3.650000 GHz -50.119 dB
4	3.700000 GHz -0.6069 dB
5	3.950000 GHz -0.3256 dB
6	4.200000 GHz -0.6396 dB
7	4.250000 GHz -50.147 dB
8	4.350000 GHz -58.397 dB
9	4.400000 GHz -70.036 dB

S11 Log Mag 5.000dB/ Ref 0.000dB [F2]  
S21 Log Mag 10.000dB/ Ref 0.000dB [F2]



**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)