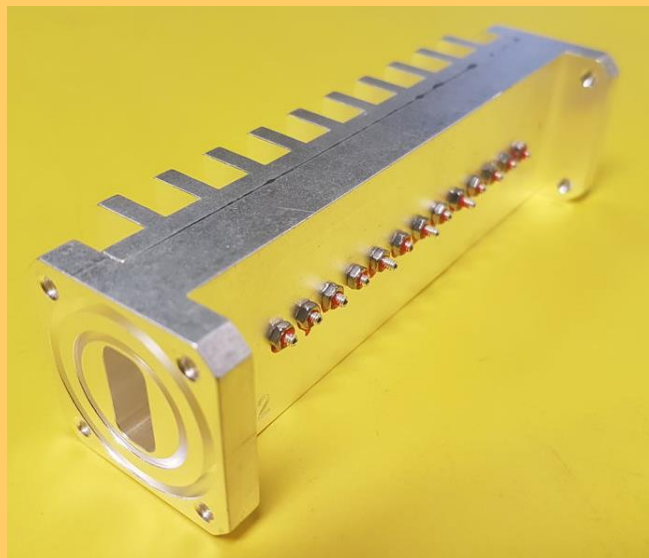


## Waveguide Bandpass Filter

14.89 - 15.05 GHz (MW-F14970BFFT)

15.25 - 15.41 GHz (MW-F15330BFFT)

500 watts CW



**Microwavefilters & TVC srl**

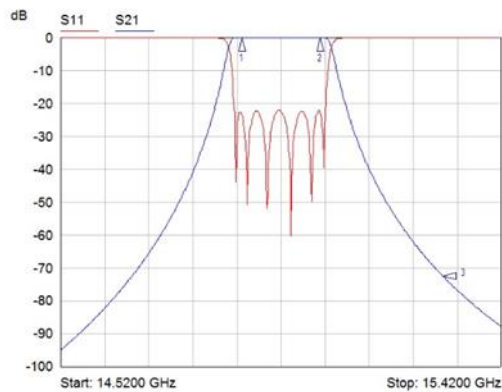
Via G. Cavalcanti, 10 - 20063 Cernusco s/N (MI) - ITALY  
Tel. +39-02-92162703 Fax. +39-02-92162705

[www.mw-tvc.com](http://www.mw-tvc.com)

## Filter Characteristics

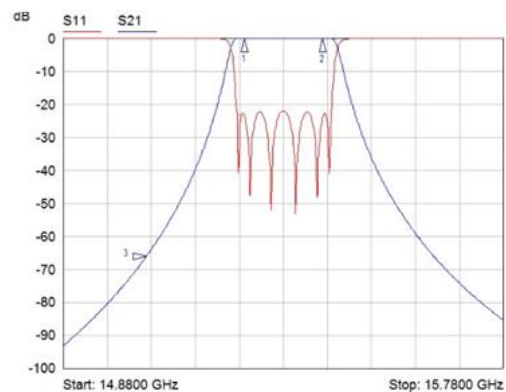
<b>Band pass</b>	14.89 – 15.05 GHz MW-F14970BFFT 15.25 – 15.41 GHz MW-F15330BFFT
<b>Rejection</b>	> 40 dB @ 15.30 GHz ; MW-F14970BFFT > 40 dB @ 15.05 GHz ; MW-F15330BFFT
<b>VSWR</b>	1.2:1 max
<b>Insertion loss</b>	< 0.7 dB @ 14.92 – 15.02 GHz MW-F14970BFFT < 0.7 dB @ 15.28 – 15.38 GHz MW-F15330BFFT
<b>Pass band ripple</b>	< 0.1 dB included in the pass band IL
<b>Power handling</b>	500 watts CW
<b>Waveguide</b>	WR-62
<b>W/G flange</b>	UG541 A/U with gasket, through mounting holes
<b>Material</b>	Aluminum
<b>Temperature range</b>	-20° / +55°C
<b>Humidity</b>	100%

**MW-F14970BFFT**



Mkr	Trace	X-Axis	Value	Notes
1	∇ S21	14.8900 GHz	-0.02 dB	
2	∇ S21	15.0500 GHz	-0.02 dB	
3	∇ S21	15.3000 GHz	-72.46 dB	

**MW-F15330BFFT**



Mkr	Trace	X-Axis	Value	Notes
1	∇ S21	15.2500 GHz	-0.02 dB	
2	∇ S21	15.4100 GHz	-0.01 dB	
3	∇ S21	15.0500 GHz	-66.04 dB	