



MFC

Microwave Filter Company, Inc.

Creating Filters and Components to 50 Ghz for Over 50 Years!

C-Band Single Transponder Bandpass Filter

Model 17600-(Fo)

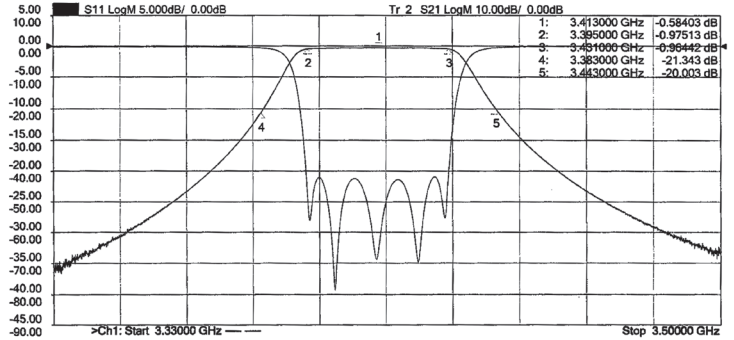
This narrow band bandpass filter prevents undesired signals operating within the C-band from interfering with C-band single transponder reception that wider, full band bandpass filters cannot prevent.

Example :

WiMAX transmitting at 3710 MHz interferes with transponder 2 (3722-3758 MHz).

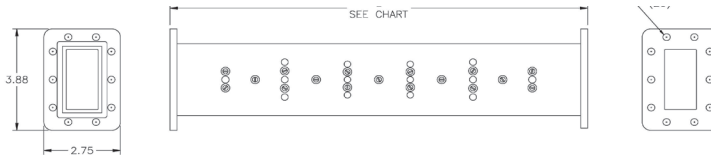
A full band bandpass filter would receive all frequencies between (3700-4200) MHz - including that undesired WiMAX signal, while a narrow band model **17600-3740** filter - receiving only transponder 2 - would typically provide 20dB rejection of that same WiMax signal.

- Available for all Standard, Extended and Super-Extended C-Band transponders.
- Alternate Flange Configurations are available upon request.



Specifications:

- Center Frequency (Fo)
- Option: 3400-4200 MHz
- Passband: Fo ± 18 MHz
- Passband Loss: 1.0 dB Max
- VSWR: 1.5:1 Max
- Rejection: 20 dB Typ. ± 30 MHz from Fo
- Flanges: CPR229G (Input)
CPR229F (Output)
- Dimensions: Per drawings below
- Finish: Gloss White Polyurethane
- Weatherized for Outdoor Use



FREQUENCY	"L" LENGTH
3400-3800 MHz	15"
3801-4200 MHz	13"

All MFC Products Designed and Manufactured in the USA



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