



# C-Band Single Transponder Bandpass Filter

## Model 17600-(Fo)

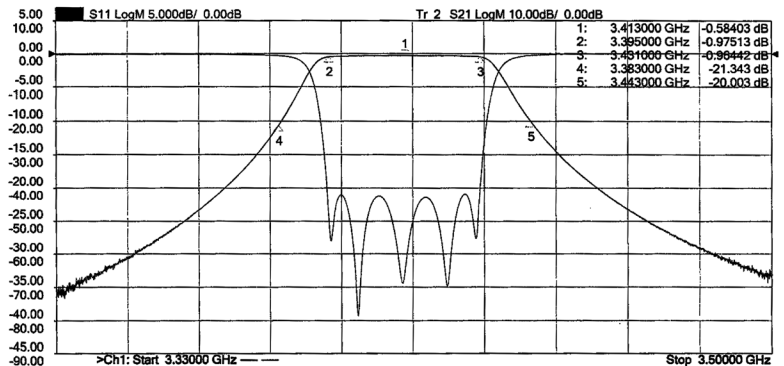
This narrow band bandpass filter prevents undesired signals operating within the C-band from interfering with C-band single transponder reception that wider, full band bandpass filters cannot prevent.



### Example :

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

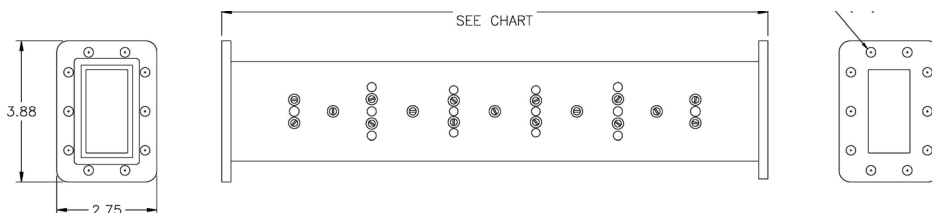
A full band bandpass filter would receive all frequencies between (3700-4200) MHz - including that undesired WiMAX signal, while a narrow band model **17600-3740** filter - receiving only transponder 2 - would typically provide 20dB rejection of that same WiMax signal.



- 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:	Gray Lacquer
Weatherized for Outdoor Use	



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

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