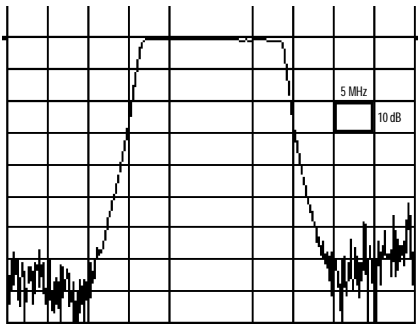


TVRO Interference Filters

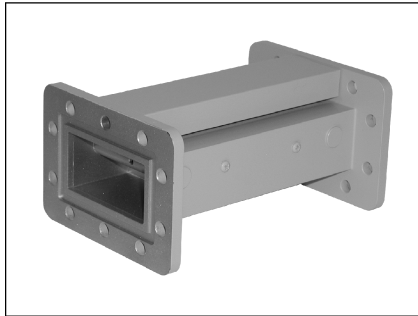


7893D mounted between antenna feed & LNA (both Vertical & Horizontal Polarization)



Typical Response Curve of 7893D

7893D Suppresses Radar interference



7893D Series

The Series 7893D C-Band bandpass filter is installed between a TVRO feedhorn and the LNA or LNB to suppress strong out-of-band interference caused by marine or airport radar systems. Coastal and marine navigational radar frequencies (2.9-3.65 GHz) are just below the TVRO band and frequently wipe-out transponders 1-5 in TVRO's installed near harbors. The airport altimeter band (4.25-4.40 GHz) will affect channels 22-24 at TVRO sites near airports. The model 7893D interference filter operates at RF before down conversion. This prevents the generation of undesirable mixer products and receiver "desensitization" due to strong out of band signals.

Specifications:

Passband:	3.7-4.2 GHz
Insertion Loss:	0.4 dB Typ at Fc
	0.5 dB roll off at band edge
VSWR:	1.92:1 Typ
Group Delay:	Less than 8 ns Typ
Rejection:	
25 dB Min.	3.65/4.25 GHz
50 dB Min.	3.55/4.35 GHz
60 dB Min.	3.50/4.40 GHz

Mechanical Specifications:

Dimensions:	5 3/4" L x 2 3/4" H x 3 7/8" D
Weight	2.60 lbs
Flanges*:	CPR-229G, CPR-229F

* Half gasket is supplied with each model

Features:

- Economical Price
- Quick Delivery
- Less than 6 inches long
- Low Differential Group Delay
- Low Insertion Loss
- Other Frequency Bands Available Upon Request (Including International)
- Highly Selective

Models are available for the following frequency bands:

(Inquire for availability)

- 3400/3700
- 3400/4200
- 3600/4100
- 3600/4200
- 3740/4160

Note: With low insertion loss and minimal group delay variation, the 7893D is ideal for digital applications.