

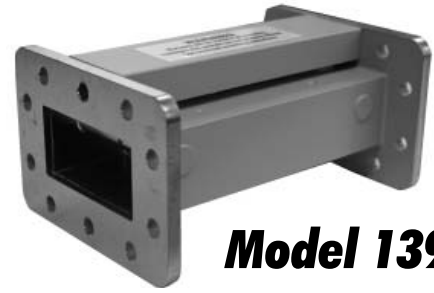


C-Band Radar Elimination Filters

13961 Series

The Model 13961 is a lightweight, aluminum C-band bandpass filter – ideal for multifeed applications requiring side-by-side placement of filters.

The unit virtually eliminates interference caused by navigational communications (radar) of commercial and military aircraft, as well as coastal and marine vessels operating at frequencies above and below the C-band. Since this filter operates at the C-band frequencies, LNB saturation from these strong out-of-band signals is avoided.



Model 13961

Specifications:

Passband:	3.7 - 4.2 GHz
Insertion Loss:	0.5 dB Typ at Fo 0.75 dB roll off at band edge
VSWR:	1.5:1 Typ
Group Delay:	Less than 8 ns Typ
Rejection:	
25 dB Typ	3.65/4.25 GHz
60 dB Min	3.55/4.35 GHz
70 dB Min	3.50/4.40 GHz
Transmit Band Rejection:	
70 dB Typ	5.8 - 6.5 GHz

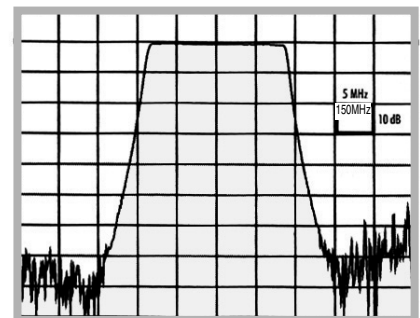
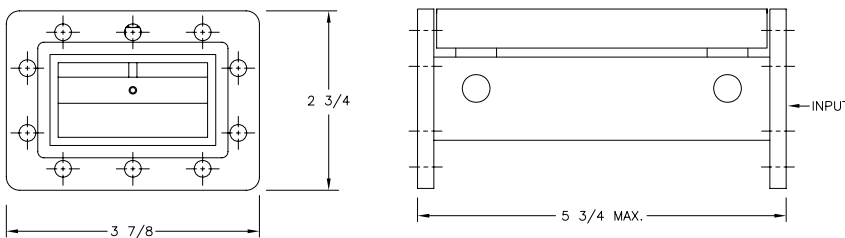
Mechanical Specifications:

Dimensions	5 3/4" L x 2 3/4" H x 3 7/8" D
Weight:	1.3 lbs.
Flanges*:	CPR229G (Input) CPR229F (Output)

* Half gasket is supplied with each model

Features:

- Quick Delivery
- Lightweight, Low Profile
- Ideal for Digital Applications (Low Differential Group Delay)
- Low Insertion Loss
- High Interference Rejection
- Other Frequency Bands Available Upon Request (Including International)
- Also rejects transmit band (5.8 - 6.5 GHz) - eliminating the need for a separate transmit reject filter



Typical Response Curve of 13961

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