

# Satellite Earth Station Antennas

## ZF100 C-Band Filter

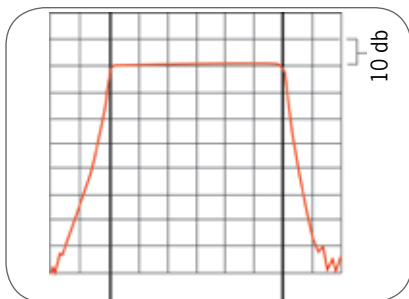
C-Band Filter for Simulsat & Parabolic Antennas



ZF100 mounted on a parabolic antenna feed



ZF100 mounted on a Simulsat antenna feed



3.7 GHz 4.2 GHz

ZF100 Frequency Response

**ZF100 C-Band Filter** is carefully designed to strongly reject out-of-band interference (above 4.2 GHz and below 3.7 GHz) with minimum insertion loss. This interference is responsible for distorting both digital and analog signals.

### Specifications:

Passband: 3.7-4.2 GHz  
Insertion Loss: 0.5 dB Typ at Fc (Center Frequency)  
0.95 dB Max at band edge

### Rejection:

30 dB Min 3.65/4.25 GHz  
60 dB Min 3.55/4.35 GHz  
70 dB Min 3.50/4.40 GHz

### Mechanical Specifications:

Dimensions: 6 $\frac{3}{4}$ " L x 2 $\frac{3}{4}$ " H x 3 $\frac{7}{8}$ " W  
172 mm x 70 mm x 99 mm

Weight: 2 lbs (900 grams)  
Flanges: CPR-229G, CPR-229F

### Accessories:

Each unit includes installation hardware and gasket.