



# 5G C-Band Interference Filter ECB-3942

## ECB-3942 Passband Range 3.9 - 4.2 GHz

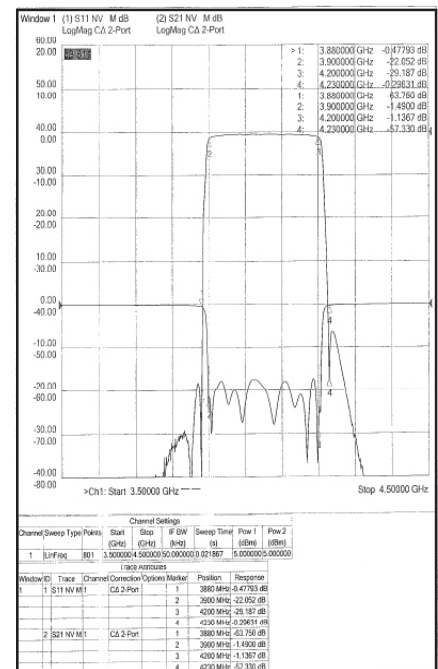
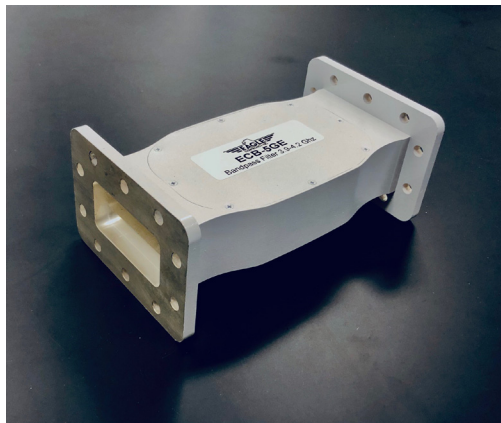
Eagle Comtronics C-Band Interference Filters are designed for use in both single and multi-feed receive antenna applications. The units are easily installed between the C-Band feedhorn and the LNA or LNB. These 5G C-Band filters offer **increased suppression below 3880 MHz** for cellular frequencies, commercial and military navigational communications (radar), as well as coastal / marine vessels operating below the C-Band.

With filtering performed at the C-Band frequencies, the overall picture quality is improved, as the filter prevents overload of the LNA and LNB.

### Specifications:

#### ECB-5GE 3942

Passband:	3.9 GHz - 4.2 GHz
Insertion Loss:	0.5dB @ Center Frequency, typ. <1.5 at band edges, typ.
Return Loss:	19dB, typ.
Group Delay:	1.3 nsec across any 1 MHz, typ.
Rejection:	60 dB typ. @ 3880 MHz 50 dB typ. @ 4230 MHz
Transmit Band Rejection:	80 dB typ from 5.8 - 7.075 GHz
Dimensions:	6.75" L x 2.75" H x 3.88" D
Flanges:	CPR 229 grooved - input CPR 229 flat - output
Construction:	Aluminum



### Features:

- *Enhanced Low Insertion Loss*
- *Significantly Low Differential Group Delay*
- *Increased Interference Rejections*
- *Sleek Waveguide body & flanges utilize a one piece construction.*

**• 100% Made in USA**

**Custom Bandpass Filter Frequencies  
Available Upon Request**

Eagle Comtronics Inc. is a leading USA manufacturer of RF products.  
Quick response time, reliability and performance delivered for over 45 years.

**Eagle Comtronics Inc.**  
7665 Henry Clay Boulevard  
Liverpool, NY 13088

**Call: 1-800-448-7474**  
**Email: CBand@eaglecomtronics.com**  
**Visit: www.eaglecomtronics.com**