



# 5G C-Band Interference Filter ECB-5GE

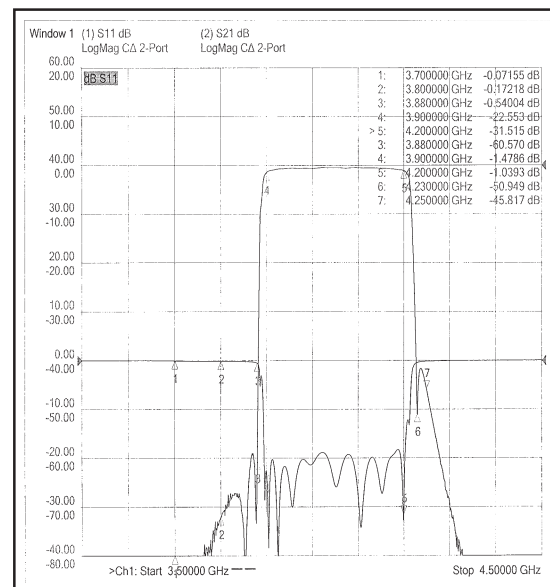
## Passband Range 3.9 - 4.2 GHz

Eagle Comtronics 5G 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. This 5G C-Band filter offers **increased suppression below 3880 MHz** for cellular frequencies, including 5G, commercial and military navigational communications (radar), as well as coastal / marine vessels operating below the 5G C-Band. The ECB-5GE was built per the C-Band Alliance original proposal to the FCC for blocking 200MHz of the spectrum for 5G to be received by Earth Bound Stations. We exceeded those specifications and again better the competition with our Enhanced design.

With filtering performed at the 5G C-Band frequencies, the overall picture quality is improved, as the filter prevents overload of the LNA and LNB.

### Specifications:

Passband:	3.9 GHz - 4.2 GHz
Insertion Loss:	-0.5dB @ Center Frequency, typ. <-1.5 and -1.2 at band edges, typ.
VSWR:	1.25, typ.
Group Delay:	1.3 nsec across any 1 MHz, typ.
Rejection:	-60 dB typ. Starting @ 3880 MHz (Typ.) -50 dB typ. Starting @ 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
Weight:	2.4 lbs approx.



Specifications subject to improve without notice.



### Features:

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

**Custom Bandpass Filter Frequencies  
Available Upon Request**

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Quick response time, reliability and performance delivered for over 45 years.

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