



5G C-Band Interference Filter ECB-5G

ECB-5G-382042E Passband Range 3.820 - 4.2 GHz (Phase 1)

ECB-5G-4042E Passband Range 4.0 - 4.2 GHz (Phase 2)

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. These 5G C-Band filters offer **increased suppression below 3800 MHz and 3980 MHz** for cellular frequencies, including 5G, commercial and military navigational communications (radar), as well as coastal / marine vessels operating below the 5G C-Band.

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.

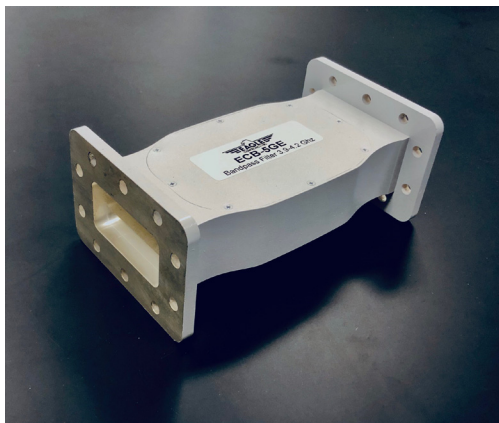
Specifications:

ECB-5G-382042E

Passband: 3.820 GHz - 4.2 GHz
 Insertion Loss: 0.5dB @ Center Frequency, typ.
 <1.5 at band edges, typ.
 Return Loss: 20dB, typ.
 Group Delay: 1.3 nsec across any 1 MHz, typ.
 Rejection: 70 dB typ. @ 3600-3720 MHz
 60 dB typ. @ 3800 MHz
 30 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

ECB-5G-4042E

Passband: 4.0 GHz - 4.2 GHz
 Insertion Loss: 0.5dB @ Center Frequency, typ.
 <1.5 at band edges, typ.
 Return Loss: 20dB, typ.
 Group Delay: 1.3 nsec across any 1 MHz, typ.
 Rejection: 70 dB typ. @ 3700-3900 MHz
 60 dB typ. @ 3980 MHz
 40 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



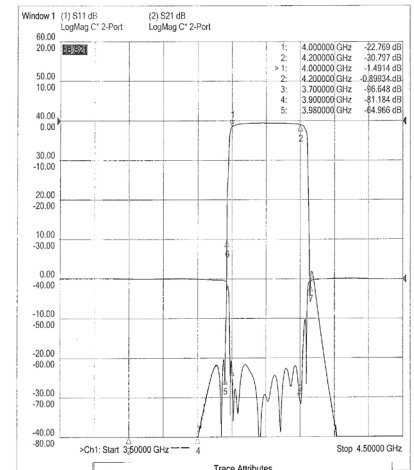
Features:

- *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.



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