



5G C-Band Interference Filter ECB-5G

Passband Range 3.9 - 4.2 GHz

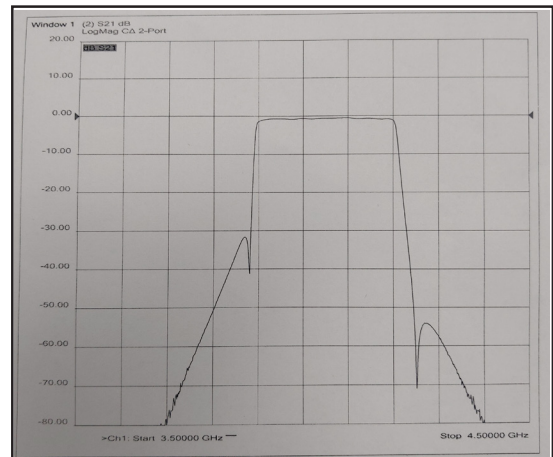
Eagle Comtronics 5G C-Band Interference Filters are designed for use in both single and multi-feed receive antenna applications. The units are easily installed between the C-Band feedhorn and the LNA or LNB. This 5G C-Band filter offers **increased suppression below 3880 MHz** for cellular frequencies,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

The ECB-5G was taken from our existing lightweight designed filters and specifically built for 5G with increased selectivity for more suppression below 3880 MHz that betters our standard design while being the lightest weight 5G C-Band for this frequency on the market.

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 -1.3 at band edges, typ.
VSWR:	1.6:1, typ.
Group Delay:	1.3 nsec across any 1 MHz, typ.
Rejection: (Typ.)	-60 dB @ 3760 MHz -50 dB @ 3800 MHz -40 dB @ 3880 MHz -30 dB @ 4230 MHz -60 dB @ 4315 MHz
Transmit Band Rejection:	>80 dB typ from 5.8 - 7.075 GHz
Dimensions:	7" L x 2 7/8" H x 3 7/8" D
Flanges:	CPR 229 grooved - input CPR 229 flat - output
Construction:	Aluminum
Weight:	1.4 lbs approx.



Specifications subject to improve without notice.

Features:

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

**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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