



C-Band Interference Filters

C-Band Interference Filters

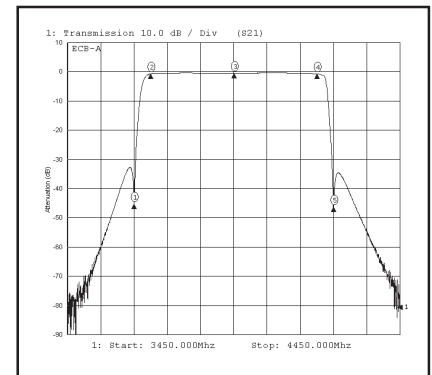
Increased rejection of the WiMax band

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. With the enhanced Bandpass filter, these filters offer the **industry's highest out-of-band interference suppression** of cellular frequencies, commercial and military navigational communications (radar), as well as coastal / marine vessels operating below the C-Band. **Typical suppression level of -45 dB is achieved at the lower and upper interfering frequencies, compared to the current industry level of 20 - 25 dB.**

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

Typical Specifications:

Model Number	ECB-A	ECB-I
Passband:	3.7 GHz - 4.2 GHz	3.6 GHz - 4.2 GHz
Insertion Loss:	-0.4dB typ @ Center Frequency -0.3dB typ rolloff at band edges	Same Same
VSWR:	1.6:1 typ	Same
Group Delay:	8 nsec max	Same
Rejection: (Typ.)	-45 dB @ 3.65/4.25 GHz -55 dB @ 3.55/4.35 GHz -70 dB @ 3.5/4.4 GHz	-45 dB @ 3.55/4.25 GHz, 35 dB min -55 dB @ 3.45/4.35 GHz -70 dB @ 3.4/4.4 GHz
Transmit Band Rejection:	>80 dB typ from 5.8 - 7.075 GHz	Same
Dimensions:	6 3/8" L x 2 1/8" H x 3 1/8" D	Same
Flanges:	CPR 229 grooved - input CPR 229 flat - output	Same Same
Construction:	Aluminum	Same
Weight:	1.4 lbs approx.	Same



Specifications subject to change without notice.

Features:

- *Low Insertion Loss*
- *Low Differential Group Delay*
- *High Interference Rejections*
- *Lightweight, Low Profile*
- *Waveguide body & flanges utilize a one piece construction.*



Custom Bandpass Filter Frequencies Available Upon Request

Eagle Comtronics Inc. is a leading manufacturer of RF products. We offer many products as well as quick response on custom request. For more information email our sales staff : sales@eaglecomtronics.com or visit our web site: eaglecomtronics.com.

7665 Henry Clay Boulevard
Liverpool, NY 13088

Ph. 1-800-448-7474
Email: sales@eaglecomtronics.com
www.eaglecomtronics.com

