



# PHASE-2 C BAND BANDPASS FILTER

## for 5G C Band Transition • Passband range of 4.0 - 4.2 GHz

Required for all continental USA locations, place in front of all CLNBs before December 2023 when all desired sat channels are above 4000 Mhz (by December 2023 Phase-1 filters will be replaced with Phase-2 filters)

Our 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 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.

**How much time do you have?**  
Email us the name of your county [info@DAWNco.com](mailto:info@DAWNco.com). We'll tell you if you need filters in 2021 or 2023

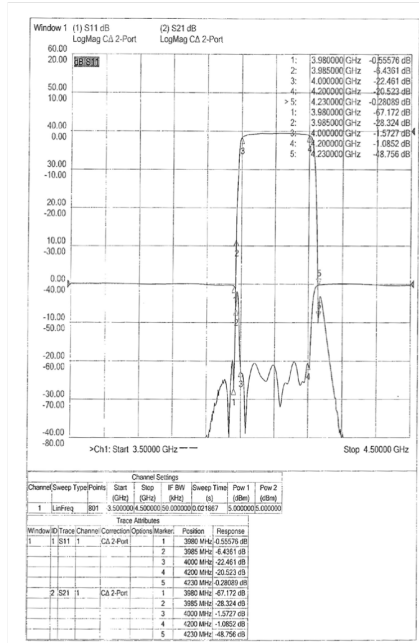


**Features:** Enhanced Low Insertion Loss • Significantly Low Differential Group Delay • Increased Interference Rejections • Sleek Waveguide body & flanges utilize a one piece construction • **100% Made in USA**

Filter is **completely plated with silver**, inside and outside and on flanges, for maximum resistance to signal ingress and corrosion (white paint over silver on outside) • **No external tuning screws**

### Specifications for #Cbandpass2-40004200e

- 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. @ 3900-3980 MHz  
30 dB typ. @ 3980-3985 MHz  
40 dB typ. @ 4230 MHz
- TX 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



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