



# MICROWAVE COMPONENT

## C-BAND eBPF-C EXTREME BAND PASS FILTER



### APPLICATIONS

- Rejects terrestrial interference in C-Band (5G, Radar and C-Band transmitter)
- Exceptional performance with narrow, < 20 MHz, guard band
- Easily installed between the feed and LNB
- Suitable for use with Norsat's C-Band LNBs
- Environmentally sealed and moisture resistant (IP66)

### SPECIFICATIONS (eBPF-C-1)

Frequency Range	3.70 - 4.20 GHz
VSWR	1.4 : 1 max.
Group Delay Variation within $\pm 0.5$ MHz	3.0 ns max.
Insertion Loss in Band	1.4 dB max.
Rejection	60 dB min at 3.682 GHz 25 dB min at 4.230 GHz
Waveguide Flange	CPR-229G (input), CPR-229F (output)
Dimensions (L x W x H)	185 mm x 100 mm x 71 mm (7.28 in x 3.94 in x 2.79 in)
Weight	< 970 g

### SPECIFICATIONS (eBPF-C-3)

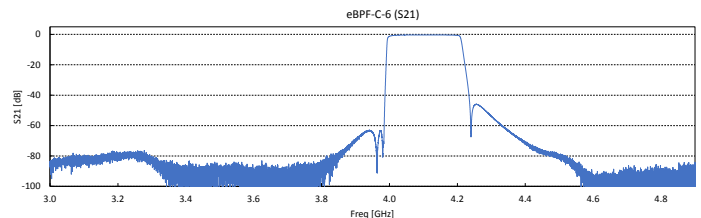
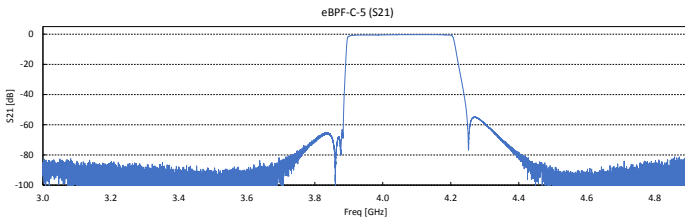
Frequency Range	3.754 - 4.200 GHz
VSWR	1.4 : 1 max.
Group Delay Variation within $\pm 0.5$ MHz	3.0 ns max.
Insertion Loss in Band	1.4 dB max.
Rejection	60 dB min at 3.736 GHz 25 dB min at 4.230 GHz
Waveguide Flange	CPR-229G (input), CPR-229F (output)
Dimensions (L x W x H)	185 mm x 100 mm x 71 mm (7.28 in x 3.94 in x 2.79 in)
Weight	< 970 g

### SPECIFICATIONS (eBPF-C-2)

Frequency Range	3.625 - 4.200 GHz
VSWR	1.4 : 1 max.
Group Delay Variation within $\pm 0.5$ MHz	3.0 ns max.
Insertion Loss in Band	1.4 dB max.
Rejection	60 dB min at 3.607 GHz 25 dB min at 4.230 GHz
Waveguide Flange	CPR-229G (input), CPR-229F (output)
Dimensions (L x W x H)	185 mm x 100 mm x 71 mm (7.28 in x 3.94 in x 2.79 in)
Weight	< 970 g

### SPECIFICATIONS (eBPF-C-4)

Frequency Range	3.80 - 4.20 GHz
VSWR	1.4 : 1 max.
Group Delay Variation within $\pm 0.5$ MHz	3.0 ns max.
Insertion Loss in Band	1.4 dB max.
Rejection	60 dB min at 3.782 GHz 25 dB min at 4.230 GHz
Waveguide Flange	CPR-229G (input), CPR-229F (output)
Dimensions (L x W x H)	185 mm x 100 mm x 71 mm (7.28 in x 3.94 in x 2.79 in)
Weight	< 970 g



### SPECIFICATIONS (eBPF-C-5)

<b>Frequency Range</b>	3.90 - 4.20 GHz
<b>VSWR</b>	1.4 : 1 max.
<b>Group Delay Variation within <math>\pm 0.5</math> MHz</b>	3.0 ns max.
<b>Insertion Loss in Band</b>	1.4 dB max.
<b>Rejection</b>	60 dB min at 3.882 GHz 25 dB min at 4.230 GHz
<b>Waveguide Flange</b>	CPR-229G (input), CPR-229F (output)
<b>Dimensions (L x W x H)</b>	185 mm x 100 mm x 71 mm (7.28 in x 3.94 in x 2.79 in)
<b>Weight</b>	< 970 g

### SPECIFICATIONS (eBPF-C-6)

<b>Frequency Range</b>	4.00 - 4.20 GHz
<b>VSWR</b>	1.4 : 1 max.
<b>Group Delay Variation within <math>\pm 0.5</math> MHz</b>	3.0 ns max.
<b>Insertion Loss in Band</b>	1.4 dB max.
<b>Rejection</b>	60 dB min at 3.982 GHz 25 dB min at 4.230 GHz
<b>Waveguide Flange</b>	CPR-229G (input), CPR-229F (output)
<b>Dimensions (L x W x H)</b>	170 mm x 100 mm x 71 mm (6.69 in x 3.94 in x 2.79 in)
<b>Weight</b>	< 900 g

### SPECIFICATIONS (eBPF-C-7)

<b>Frequency Range</b>	4.10 - 4.20 GHz
<b>VSWR</b>	1.4 : 1 max.
<b>Group Delay Variation within <math>\pm 0.5</math> MHz</b>	3.0 ns max.
<b>Insertion Loss in Band</b>	1.4 dB max.
<b>Rejection</b>	60 dB min at 4.082 GHz 25 dB min at 4.230 GHz
<b>Waveguide Flange</b>	CPR-229G (input), CPR-229F (output)
<b>Dimensions (L x W x H)</b>	160 mm x 100 mm x 71 mm (6.3 in x 3.94 in x 2.79 in)
<b>Weight</b>	< 900 g

### SPECIFICATIONS (eBPF-C-8)

<b>Frequency Range</b>	3.82 - 4.20 GHz
<b>VSWR</b>	1.4 : 1 max.
<b>Group Delay Variation within <math>\pm 0.5</math> MHz</b>	3.0 ns max.
<b>Insertion Loss in Band</b>	1.4 dB max.
<b>Rejection</b>	60 dB min at 3.802 GHz 25 dB min at 4.230 GHz
<b>Waveguide Flange</b>	CPR-229G (input), CPR-229F (output)
<b>Dimensions (L x W x H)</b>	185 mm x 100 mm x 71 mm (7.3 in x 3.94 in x 2.79 in)
<b>Weight</b>	< 970 g

### HOW TO ORDER

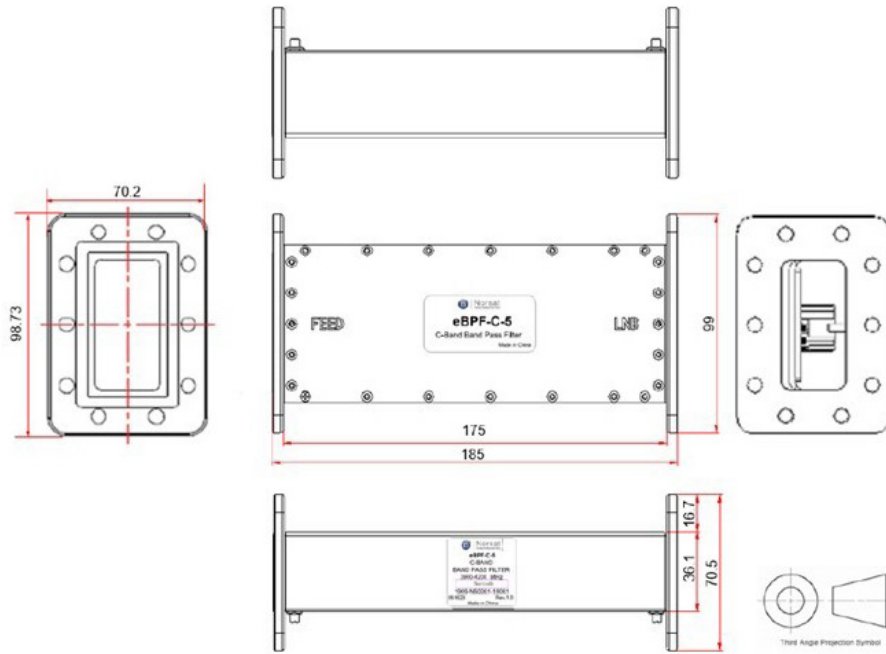
## eBPF-C-5

<b>FREQUENCY</b>	1: 3.700 - 4.200 GHz
	2: 3.625 - 4.200 GHz
	3: 3.754 - 4.200 GHz
	4: 3.800 - 4.200 GHz
	5: 3.900 - 4.200 GHz
	6: 4.000 - 4.200 GHz
	7: 4.100 - 4.200 GHz
	8: 3.820 - 4.200 GHz



## MECHANICAL DIAGRAM

eBPF-C-5



eBPF-C-6

