

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 ± 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-2)

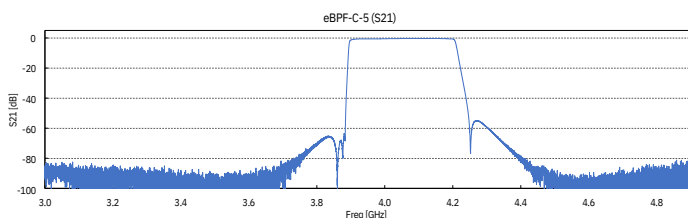
| | |
|-----------------------------------------------|----------------------------------------------------------|
| Frequency Range | 3.625 - 4.200 GHz |
| VSWR | 1.4 : 1 max. |
| Group Delay Variation within ± 0.5 MHz | 3.0 ns max. |
| Insertion Loss in Band | 1.4 dB max. |
| Rejection | 60 dB min 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-3)

| | |
|-----------------------------------------------|----------------------------------------------------------|
| Frequency Range | 3.754 - 4.200 GHz |
| VSWR | 1.4 : 1 max. |
| Group Delay Variation within ± 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-4)

| | |
|-----------------------------------------------|----------------------------------------------------------|
| Frequency Range | 3.80 - 4.20 GHz |
| VSWR | 1.4 : 1 max. |
| Group Delay Variation within ± 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)

| | |
|-----------------------------------------------|----------------------------------------------------------|
| Frequency Range | 3.90 - 4.20 GHz |
| VSWR | 1.4 : 1 max. |
| Group Delay Variation within ± 0.5 MHz | 3.0 ns max. |
| Insertion Loss in Band | 1.4 dB max. |
| Rejection | 60 dB min at 3.882 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 |

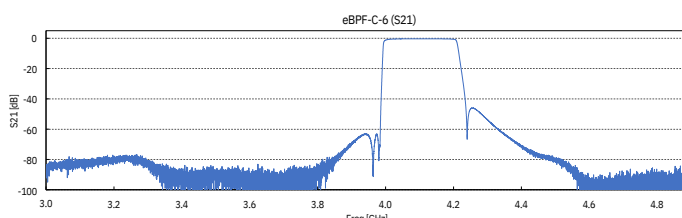
SPECIFICATIONS (eBPF-C-7)

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

HOW TO ORDER

eBPF-C-5

| | |
|------------------|----------------------|
| FREQUENCY | 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 |



SPECIFICATIONS (eBPF-C-6)

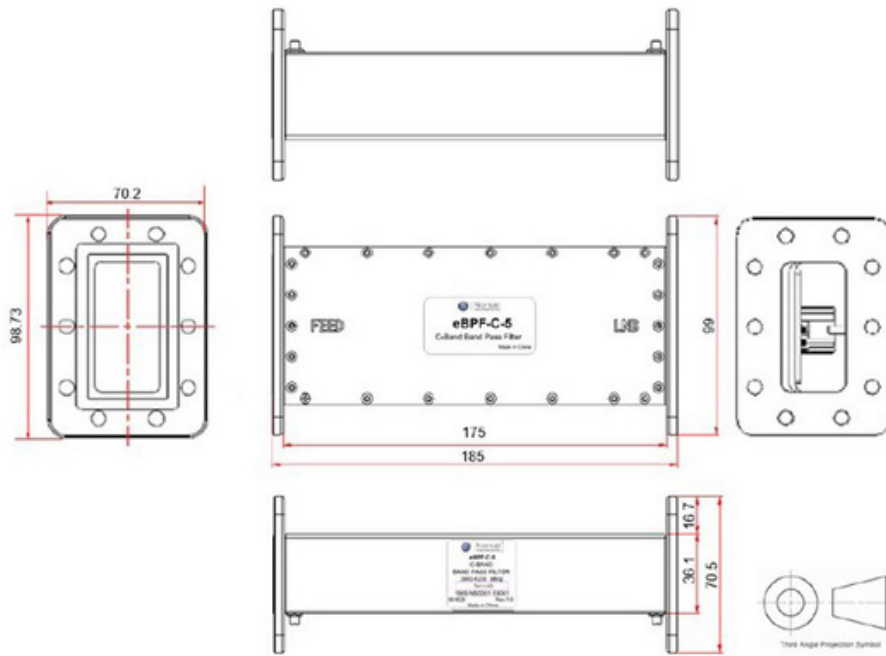
| | |
|-----------------------------------------------|----------------------------------------------------------|
| Frequency Range | 4.00 - 4.20 GHz |
| VSWR | 1.4 : 1 max. |
| Group Delay Variation within ± 0.5 MHz | 3.0 ns max. |
| Insertion Loss in Band | 1.4 dB max. |
| Rejection | 60 dB min at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

SPECIFICATIONS (eBPF-C-8)

| | |
|-----------------------------------------------|---------------------------------------------------------|
| Frequency Range | 3.82 - 4.20 GHz |
| VSWR | 1.4 : 1 max. |
| Group Delay Variation within ± 0.5 MHz | 3.0 ns max. |
| Insertion Loss in Band | 1.4 dB max. |
| Rejection | 60 dB min at 3.802 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 (7.3 in x 3.94 in x 2.79 in) |
| Weight | < 970 g |

MECHANICAL DIAGRAM

eBPF-C-5



eBPF-C-6

