

BPF-3920

Intelsat 5G Interference Rejection Bandpass Filter Specs

Intelsat recommends the following filter BPF-3920 specification in order to protect FSS earth station receivers operating in the 3 920 – 4 200 MHz from LNA/LNB saturation.

| Filter BPF-3920 Specification | | |
|-------------------------------|--|-----------------|
| | | Value |
| Electricals Characteristics: | Pass Band | 3920 - 4200 MHz |
| | Group delay variation within +/- 0.5 MHz | 1.45 nSec Max |
| | Insertion Loss | 1.3 dB Max |
| | Rejection at 3900 MHz | 60 dB Min |
| | Return Loss | 20 dB Min |
| | Rejection at 4230 MHz | 25 dB Min |
| | Rejection at 3903 MHz (temp drift) | 50 dB Min |
| Mechanicals Characteristics: | Interfaces : CPR-229G & CPR-229F | |
| | Size: 6.75 " X 3.00" X 2.96" | |
| | Finish: Matte white light textured paint | |

PICTURE OF THE FILTER?

| Spec summary |
|------------------------------------|
| F0 (3820 MHz) rejection: 70 dB min |
| F1 (3900 MHz) rejection: 60 dB min |
| F2 (3903 MHz) rejection: 50 dB min |
| F3 (3920 MHz) passband start |
| F4 (4200 MHz) passband end |
| F5 (4230 MHz) rejection: 25 dB min |

