

## Band-Pass Filters for the 130 MHz Band

### DESCRIPTION

- High power base station band-pass filters for the 116 - 146 MHz range.
- The use of large ø200 mm cavities means a high Q, resulting in a very narrow passband.
- The large dimensions also mean a high power rating.
- Unloaded Q of a single cavity is better than 6000.
- High frequency stability on temperature and power.
- 19" mounting brackets are available as an option.



### SPECIFICATIONS

| Electrical                  |  |  |  |
|-----------------------------|--|--|--|
| Model                       | BPF 3/1-200                            | BPF 3/2-200                            | BPF 3/3-200                            |
| Frequency                   | 116 - 146 MHz                          |  |  |
| Max. Input Power            | 350 W @ 0.5 dB IL<br>150 W @ 2.0 dB IL | 350 W @ 1.0 dB IL<br>150 W @ 4.0 dB IL | 350 W @ 1.5 dB IL<br>150 W @ 6.0 dB IL |
| Insertion Loss              | Adjustable 0.4 - 2.0 dB                | Adjustable 1.0 - 4.0 dB                | Adjustable 1.5 - 6.0 dB                |
| Impedance                   | 50 Ω                                   |  |  |
| VSWR                        | < 1.5:1                                |  |  |
| Mechanical                  |  |  |  |
| Connection(s)               | N(f)                                   |  |  |
| Max. RPM                    | 200 (On tuning rod)                    |  |  |
| Dimensions                  | ø200 x 765 mm                          | L:200 x W:400 x H:765 mm               | L:200 x W:600 x H:765 mm               |
| Weight                      | 4.7 kg / 10.36 lb.                     | 9.6 kg / 21.16 lb.                     | 14.5 kg / 31.97 lb.                    |
| Environmental               |  |  |  |
| Operating Temperature Range | -30° C to +60° C                       |  |  |
| Frequency Stability         | 1.5 ppm/° C (approx.)                  |  |  |

### ORDERING

| Model       | Product No. |
|-------------|-------------|
| BPF 3/1-200 | 200001567   |
| BPF 3/2-200 | 200001164   |
| BPF 3/3-200 | 200001889   |