

Band-Pass/Band-Reject Filters for the 900 MHz Band

DESCRIPTION

- High power base station band-pass/band-reject filters for the 800 – 960 MHz range.
- The use of large ø125 mm cavities means a high Q, resulting in a very narrow pass/reject spacing.
- The large dimensions also mean a high power rating.
- Unloaded Q of a single cavity is approx. 4500.
- High frequency stability on temperature and power.
- Mounted on 19" brackets.**

SPECIFICATIONS

| Electrical | | | |
|-----------------------------|--|--|--|
| Model | BPBR 900/1-125 | BPBR 900/2-125 | BPBR 900/3-125 |
| Frequency | 800 - 960 MHz | | |
| Max. Input Power | 300 W @ 0.5 dB IL 125 W @ 2.0 dB IL | 300 W @ 1.0 dB IL 125 W @ 4.0 dB IL | 300 W @ 1.5 dB IL 125 W @ 6.0 dB IL |
| Insertion Loss | Adjustable 0.3 - 2.0 dB | Adjustable 0.6 - 4.0 dB | Adjustable 0.9 - 6.0 dB |
| Impedance | 50 Ω | | |
| Reject Attenuation | See Curves | | |
| VSWR | < 1.5:1 | | |
| Mechanical | | | |
| Connection(s) | N(f) | | |
| Dimensions | ø125 x 150 mm | L: 125 x W: 250 x H: 150 mm | L:125 x W:375 x H:150 mm |
| Weight | 0.7 kg / 1.54 lb | 1.5 kg / 3.31 lb | 2.5 kg / 5.51 lb |
| Environmental | | | |
| Operating Temperature Range | 30 to 60 °C | | |
| Frequency Stability | 1.5 ppm/° C (approx.) | | |

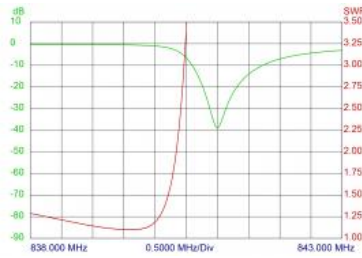
ORDERING

| Model | Product No. |
|----------------|-------------|
| BPBR 900/1-125 | 200001912 |
| BPBR 900/2-125 | 200001913 |
| BPBR 900/3-125 | 200001914 |

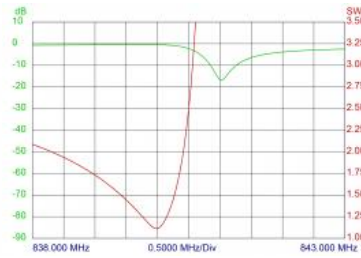


DIAGRAM

BPBR 900/2-125



BPBR 900/1-125



BPBR 900/3-125

