

Band-Pass Filters for the 900 MHz Band

DESCRIPTION

- High power base station band-pass filters for the 890 – 960 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 approx. 7000.
- High frequency stability on temperature and power.
- 19" mounting brackets are available as an option.



BPF 900/1-200

BPF 900/2-200

BPF 900/3-200

SPECIFICATIONS

Electrical			
Model	BPF 900/1-200	BPF 900/2-200	BPF 900/3-200
Frequency	890 - 960 MHz		
Max. Input Power	350 W @ 0.5 dB IL 150 W @ 2.0 dB IL	350 W @ 1.0 dB IL 150 W @ 4.0 dB IL	350 W @ 1.5 dB IL 150 W @ 6.0 dB IL
Insertion Loss	Adjustable 0.4 - 2.0 dB	Adjustable 0.8 - 4.0 dB	Adjustable 1.2 - 6.0 dB
Impedance	50 Ω		
VSWR	< 1.5:1		
Mechanical			
Connection(s)	N(f)		
Dimensions	ø200 x 200 mm / ø7.87 x 7.87 in.	L:200 x W:400 x H:200 mm / L:7.87 x W:15.74 x H:7.87 in.	L:200 x W:600 x H:200 mm / L:7.87 x W:23.62 x H:7.87 in.
Weight	Approx. 0.9 kg / 1.98 lb.	Approx. 2 kg / 4.41 lb.	Approx. 3.3 kg / 7.28 lb.
Environmental			
Operating Temperature Range	30 to 60 °C		
Frequency Stability	1.5 ppm/° C (approx.)		

ORDERING

Model	Product No.
BPF 900/1-200	210001055
BPF 900/2-200	210001056
BPF 900/3-200	210001057