

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.

ORDERING

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



SPECIFICATIONS

Electrical			
Model	BPF 3/1-200	BPF 3/2-200	BPF 3/3-200
Frequency	116 - 146 MHz		
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		
Maximum 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
Frequency Stability	1.5 ppm/° C (approx.)		
Mechanical			
Connection(s)	N(f)		
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 to 60 °C

