

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 $\varnothing 250$ 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 8000.
- High frequency stability on temperature and power.
- 19" mounting brackets are available as an option.



BPF 3/1-250

BPF 3/2-250

BPF 3/3-250

SPECIFICATIONS

Electrical			
Model	BPF 3/1-250	BPF 3/2-250	BPF 3/3-250
Frequency	116 - 146 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 1.0 - 4.0 dB	Adjustable 1.5 - 6.0 dB
Impedance	50 Ω		
VSWR	< 1.5:1		

Mechanical			
Connection(s)	N(f)		
Dimensions	$\varnothing 250$ x 765 mm $\varnothing 9.84$ x 30.19 in.	250 x 400 x 765 mm 9.84 x 15.75 x 30.19 in.	250 x 600 x 765 mm 9.84 x 23.62 x 30.19 in.
Weight	Approx. 6 kg / 13.23 lb.	Approx. 12.2 kg / 26.90 lb.	Approx. 18.4 kg / 40.57 lb.

Environmental	
Operating temperature range	-30 °C to +60 °C
Frequency Stability	Approx. 1.5 ppm / °C

ORDERING

Model	Product No.
BPF 3/1-250	200000985
BPF 3/2-250	200001165
BPF 3/3-250	200001891

