

Band-Pass Filters for the 80 MHz Band

DESCRIPTION

- High power base station band-pass filters for the 66 – 88 MHz range.
- The use of large ø125 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. 4500.
- High frequency stability on temperature and power.
- 19" mounting brackets are included on BPF 4/2-125 and BPF 4/3-125.



ORDERING

Model	Product No.
BPF 4/1-125	200000987
BPF 4/2-125	200000988
BPF 4/3-125	200001881

SPECIFICATIONS

Electrical			
Model	BPF 4/1-125	BPF 4/2-125	BPF 4/3-125
Frequency	66 - 88 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 0.4 - 2.0 dB	Adjustable 0.8 - 4.0 dB	Adjustable 1.2 - 6.0 dB
Impedance	50 Ω		
Attenuation	See diagram		
VSWR	< 1.5:1		
Mechanical			
Connection(s)	N(f)		
Max. RPM	200 (On tuning rod)		
Dimensions	ø125 x 1200 mm	L: 125 x W: 250 x H: 1200 mm	L:125 x W:375 x H:1200 mm
Weight	4.3 kg / 9.48 lb	9.3 kg / 20.50 lb	13.7 kg / 30.20 lb
Environmental			
Operating Temperature Range	30 to 60 °C		
Frequency Stability	1.5 ppm/° C (approx.)		

ADDITIONAL DATA

TYPICAL RESPONSE CURVES

