

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 $\varnothing 125$ mm cavities gives 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.
- Mounted on 19" brackets.**



SPECIFICATIONS

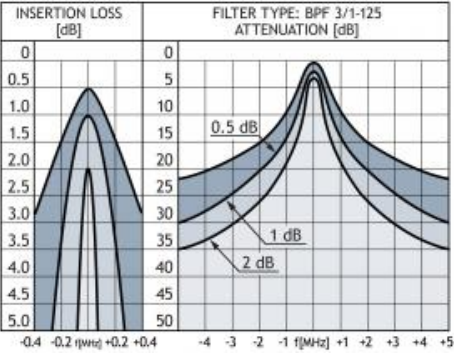
Electrical						
Model	BPF 3/1-125	BPF 3/2-125	BPF 3/3-125	BPF 3/1-125	BPF 3/2-125	BPF 3/3-125
Frequency	116 - 146 MHz					
Max. Input Power	350 W @ 0.5 dB IL 125 W @ 2.0 dB IL	350 W @ 1.0 dB IL 125 W @ 4.0 dB IL	350 W @ 1.5 dB IL 125 W @ 6.0 dB IL			
Insertion Loss	Adjustable 0.4 - 2.0 dB	Adjustable 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 765 mm			L:125 x W:285 x H:765 mm		L:125 x W:425 x H:765 mm
Weight	3.4 kg / 7.50 lb			7 kg / 15.43 lb		10.5 kg / 23.15 lb
Environmental						
Operating Temperature Range	-30°C to +60°C					
Frequency Stability	1.5 ppm/° C (approx.)					

ORDERING

Model	Product No.
BPF 3/1-125	200000974
BPF 3/2-125	200000968
BPF 3/3-125	200000596

ADDITIONAL DATA

TYPICAL RESPONSE CURVES



TYPICAL RESPONSE CURVES



TYPICAL RESPONSE CURVES

