Band-Pass Filters for the 150 MHz Band

DESCRIPTION

- High power base station band-pass filters for the 140 - 175 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.



ORDERING

Model	Product No.
BPF 2/1-200	200001055
BPF 2/2-200	200000965
BPF 2/3-200	200001057

SPECIFICATIONS

Electrical			
Model	BPF 2/1-200	BPF 2/2-200	BPF 2/3-200
Frequency	140 - 175 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		
Attenuation	See diagram		
VSWR	< 1.5:1		

Mechanical			
Connection(s)	N(f)		
Dimensions	ø200 x 600 mm	L:200 x W:400 x H:600 mm	L:200 x W:600 x H:600 mm
Weight	3.8 kg / 8.38 lb	8.5 kg / 18.74 lb	12.6 kg / 27.78 lb

Environmental	
Operating Temperature Range	30 to 60 °C
Frequency Stability	1.5 ppm/° C (approx.)

ADDITIONAL DATA

TYPICAL RESPONSE CURVES

Figure 1

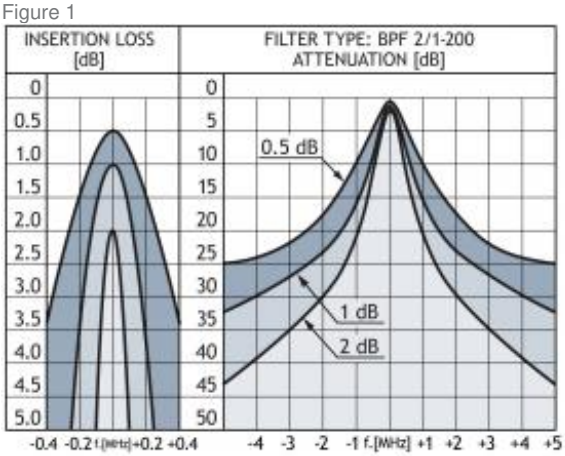


Figure 2

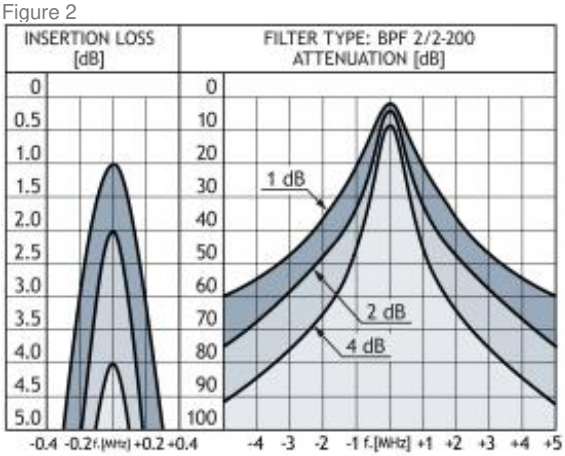


Figure 3

