

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 ø250 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. 8000.
- High frequency stability on temperature and power.
- 19" mounting brackets are available as an option.



ORDERING

Model	Product No.
BPF 2/1-250	200000954
BPF 2/2-250	200000964
BPF 2/3-250	200000971

SPECIFICATIONS

Electrical			
Model	BPF 2/1-250	BPF 2/2-250	BPF 2/3-250
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		
VSWR	< 1.5:1		
Mechanical			
Connection(s)	N(f)		
Dimensions	ø250 x 600 mm	L:250 x W:500 x H:600 mm	L:250 x W:750 x H:600 mm
Weight	4.3 kg / 9.48 lb	8.9 kg / 19.62 lb	14 kg / 30.86 lb
Environmental			
Operating Temperature Range	30 to 60 °C		
Frequency Stability	1.5 ppm/° C (approx.)		

ADDITIONAL DATA

TYPICAL RESPONSE CURVES

Figure 1

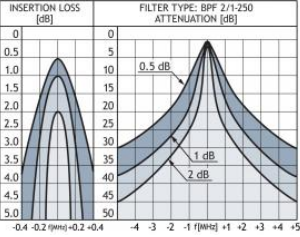


Figure 2

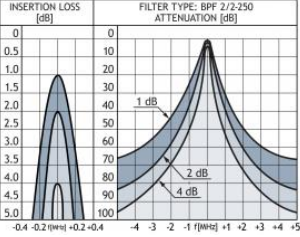


Figure 3

