

Band-Pass Filters for the 225 - 400 MHz Band

DESCRIPTION

- High power base station band-pass filters for the 225 - 400 MHz range.
- The use of large $\varnothing 200$ 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.
- Mounted on 19" brackets. **
- ** See "CAVITY MOUNTING OPTIONS" ($\varnothing 200$ cavity)



ORDERING

Model	Product No.
BPF 1/1-200	200002289
BPF 1/2-200	200002290
BPF 1/3-200	200002291

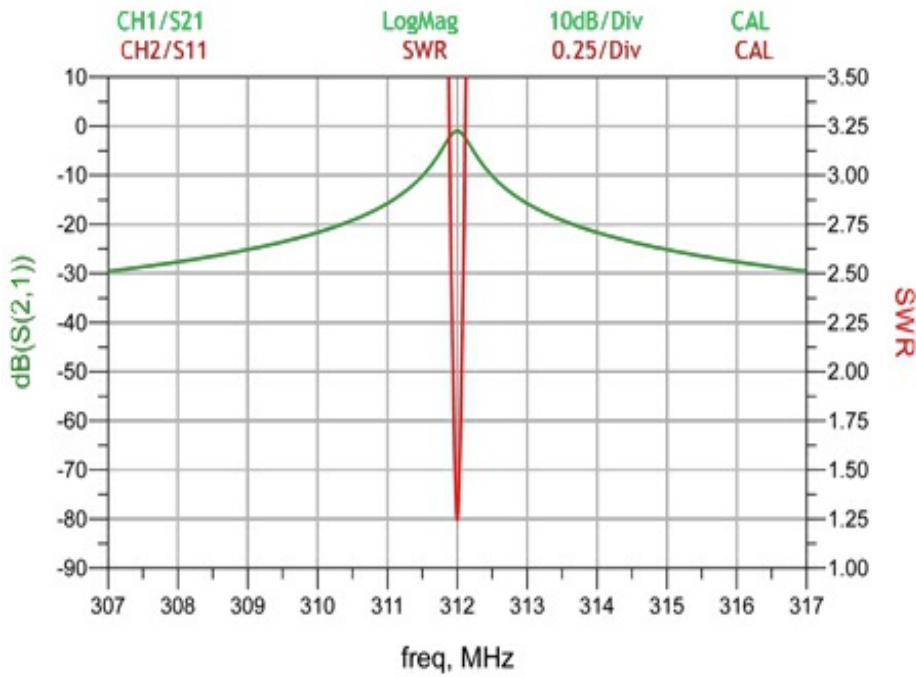
SPECIFICATIONS

Electrical			
Model	BPF 1/1-200	BPF 1/2-200	BPF 1/3-200
Frequency	225 - 400 MHz (Under change!)		
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 0.5 - 2.0 dB	Adjustable 1.0 - 4.0 dB	Adjustable 1.5 - 6.0 dB
Impedance	50 Ω		
Attenuation	See diagram		
VSWR	< 1.5:1		
Mechanical			
Connection(s)	N(f)		
Dimensions	$\varnothing 200$ x 450 mm	L:200 x W:415 x H:450 mm	L:410 x W:410 x H:450 mm
Weight	3.2 kg / 7.05 lb	6.6 kg / 14.55 lb	10 kg / 22.05 lb
Environmental			
Operating Temperature Range	30 to 60 °C		
Frequency Stability	1.5 ppm/° C (approx.)		

ADDITIONAL DATA

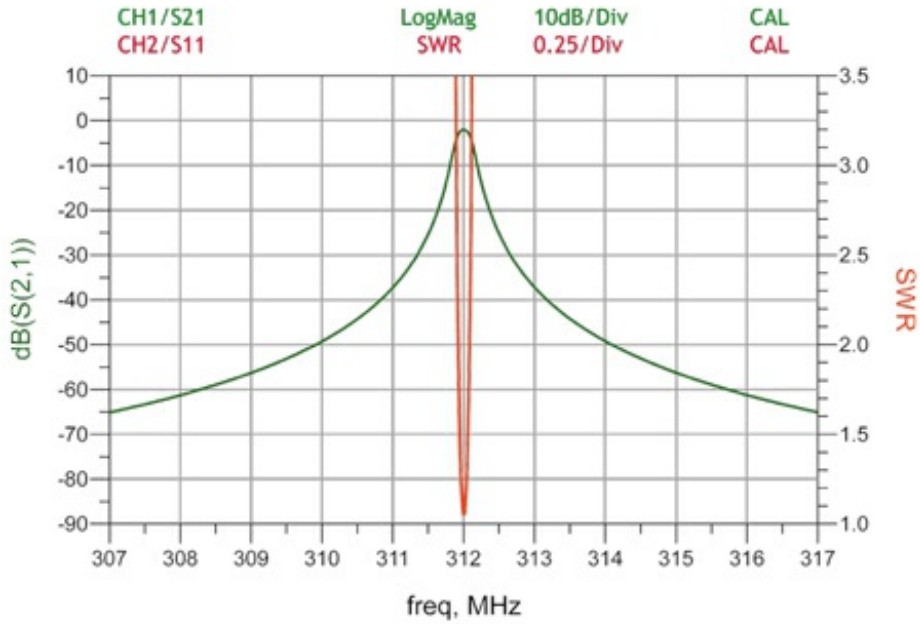
TYPICAL RESPONSE CURVE FOR BPF 1/1-200

Figure 1



TYPICAL RESPONSE CURVE FOR BPF 1/2-200

Figure 2



TYPICAL RESPONSE CURVE FOR BPF 1/3-200

Figure 3

