

Band-Pass Filter for the 130 MHz Band

DESCRIPTION

- High power base station shortened band-pass filter for the 116 - 146 MHz range.
- Due to the use of large ø200 mm cavities a high Q is achieved, resulting in a very narrow passband.
- The large dimensions also mean a high power rating.
- The SHT-version has only 600 mm cavity length.
- Unloaded Q of a single cavity is approx. 3000.
- High frequency stability on temperature and power.
- 19" mounting brackets are available as an option.



ORDERING

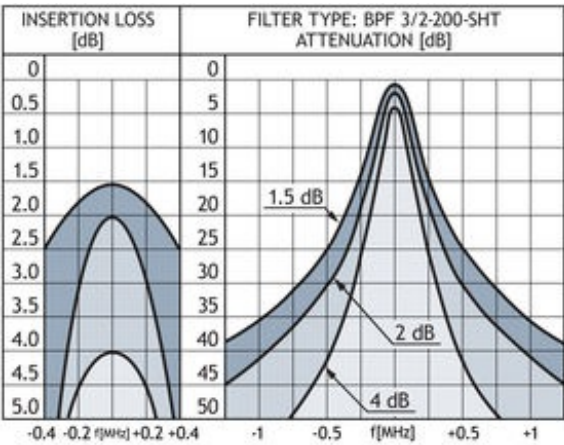
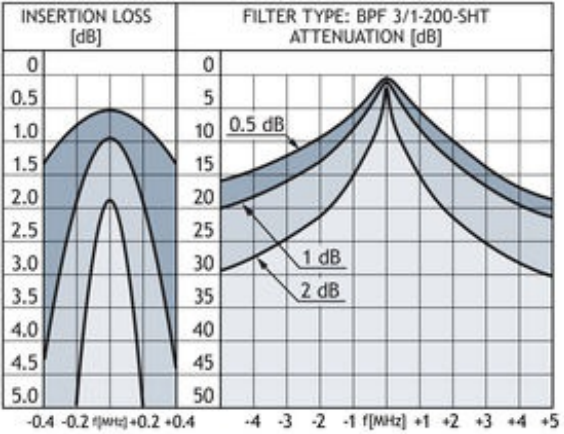
Type	Product No.
BPF 3/1-200-SHT	200000983
BPF 3/2-200-SHT	200001163
BPF 3/3-200-SHT	200001890

SPECIFICATIONS

Electrical				
Model	BPF 3/1-200-SHT		BPF 3/2-200-SHT	BPF 3/3-200-SHT
Frequency	116 - 146 MHz			
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			
Maximum 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	
Frequency Stability	1.5 ppm/° C (approx.)			
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	4.6 kg / 10.14 lb	10 kg / 22.05 lb	14.5 kg / 31.97 lb	
Environmental				
Operating Temperature Range			30 to 60 °C	

ADDITIONAL DATA

TYPICAL RESPONSE CURVES



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