

Band-Pass Filter for the 900 MHz Band

DESCRIPTION

- The BPF 900/4 is a 4-¼ λ resonator band-pass filter with internal coupling between the resonators.
- This filter can be used as a preselector to protect a receiver against interference from transmissions out of the passband, or it can be used to reduce spurious output from a transmitter with up to 50 W output power.
- The filter can be tuned within the entire 820 - 960 MHz band. Careful design and choice of materials ensure reliable operation over a wide temperature range.
- The housing is made of extruded aluminium, the chassis of brass, and teflon insulation has been used in the coaxial cables and in the connectors.
- The filter is coated with black vinyl to prevent corrosion.



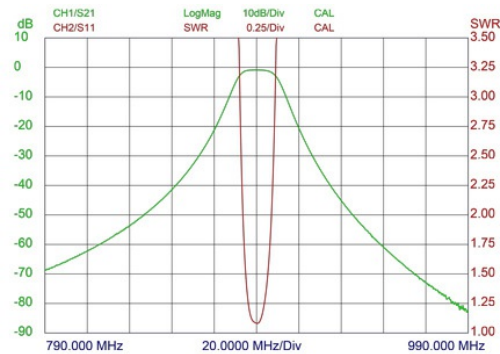
SPECIFICATIONS

Electrical		
Model	BPF 900/4	
Filter Type	Band-pass filter	
Frequency	820 - 960 MHz	
Max. Input Power	50 W	
Insertion Loss	≤ 1.4 dB (typ.)	
Impedance	50 Ω	
Reject Attenuation	See curves	Fc +/-100 MHz = 65 dB Fc +/-500 MHz = 100 dB Fc +/-800 MHz = 85 dB
VSWR	≤ 1.5:1	

Mechanical	
Connection(s)	N(f) (other on request)
Dimensions	L:152 x W:115 x H:33 mm / L:5.99 x W:4.52 x H:1.30 in.
Weight	Approx. 0.5 kg / 1.10 lb.

Environmental	
Operating Temperature Range	-30°C to +60°C

TYPICAL RESPONSE CURVES



ORDERING

Model	Product No.
BPF 900/4	200000980

