

Band-Pass Filter for the 900 MHz Band

DESCRIPTION

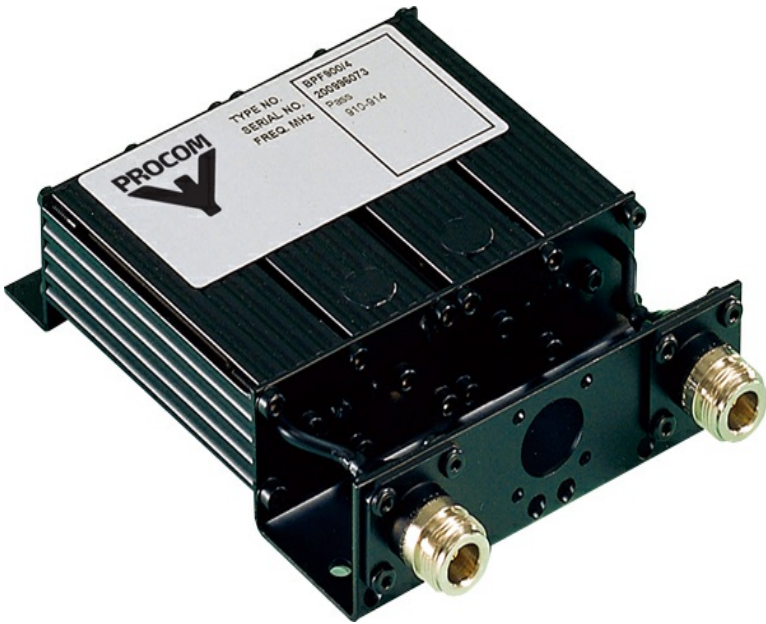
- The BPF 900/4 is a 4-¼ λ resonator band-pass filter with internal coupling between the resonators.
- This filter can be used as a preselector to protect a receiver against interference from transmissions out of the passband, or it can be used to reduce spurious output from a transmitter with up to 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	
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	
Maximum Input Power	50 W	
Mechanical		
Connection(s)	N female (other on request)	
Dimensions	152 x 115 x 33 mm	
Weight	0.5 kg / 1.10 lb	
Environmental		
Operating Temperature Range		-30°C to +60°C

ORDERING

Type	Product No.
BPF 900/4	200000980



DIAGRAM

TYPICAL RESPONSE CURVES

