

Band-Pass Filter for the 70 cm Band

DESCRIPTION

- The BPF 70/3 is a 3-¼ 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 406 - 470 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 black vinyl coated to prevent corrosion.

SPECIFICATIONS

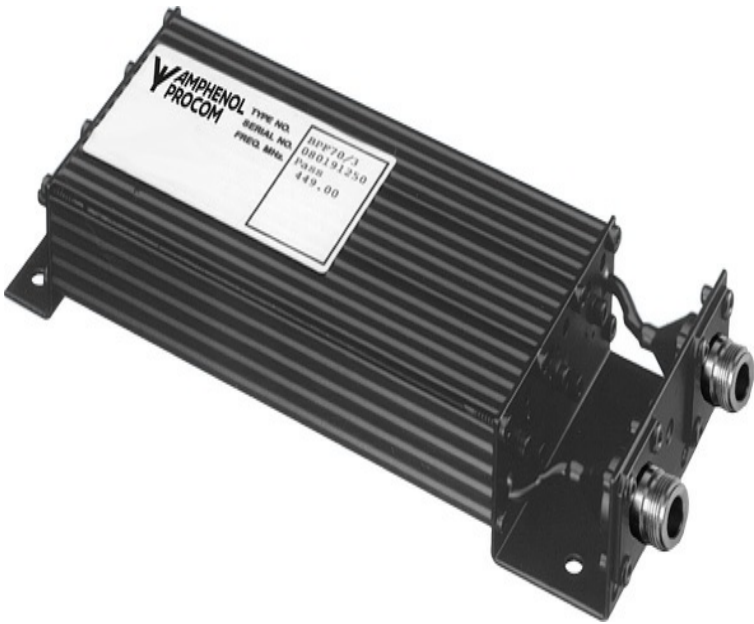
Electrical		
Model	BPF 70/3	
Filter Type	Band-pass filter	
Frequency	406 - 470 MHz	
Impedance	50 Ω	
Reject Attenuation	See curves	See curves
VSWR	< 1.5:1	
Maximum Input Power	50 W	

Mechanical	
Connection(s)	BNC female (others on request)
Dimensions	230 x 77 x 33 mm
Weight	0.55 kg / 1.21 lb

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

ORDERING

Type	Product No.
BPF 70/3	200000896



DIAGRAM

TYPICAL RESPONSE CURVES

