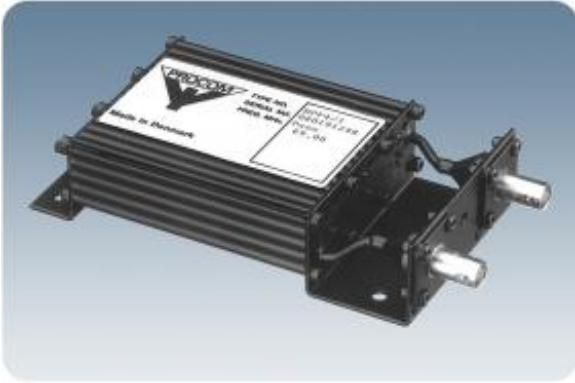


Band-Pass Filter for the 80 MHz Band

DESCRIPTION

- The BPF 4/3 is a 3-helical resonator band-pass filter with aperture-coupling between the resonators.
- This filter can be used as a preselector to protect a receiver against interference from transmissions out of the pass-band, or it can be used to reduce spurious output from a transmitter with up to 50 W of output power.
- The filter can be tuned within the entire 66 - 88 MHz band. It has very small dimensions owing to the use of helical resonators. Careful design and choice of materials ensure reliable operation over a wide temperature range.
- The housing is made of extruded aluminium, the chassis of steel, 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 4/3	
Filter Type	Band-pass filter	
Frequency	66 - 88 MHz	
Max. Input Power	50 W	
Impedance	50 Ω	
Reject Attenuation	See curves	See curves
VSWR	< 1.5:1	
Mechanical		
Connection(s)	BNC female (others on request)	
Dimensions	180 x 77 x 33 mm	
Weight	0.42 kg / 0.93 lb	
Environmental		
Operating Temperature Range	-30°C to +60°C	

ORDERING

Model	Product No.
BPF 4/3	200000857

DIAGRAM

TYPICAL RESPONSE CURVES

