

Band-Pass Filter for the 112 - 136 MHz Band

DESCRIPTION

- The BPF 3/3 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 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 112 - 136 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.
- BPF 3/3 is coated with black vinyl to prevent corrosion.

SPECIFICATIONS

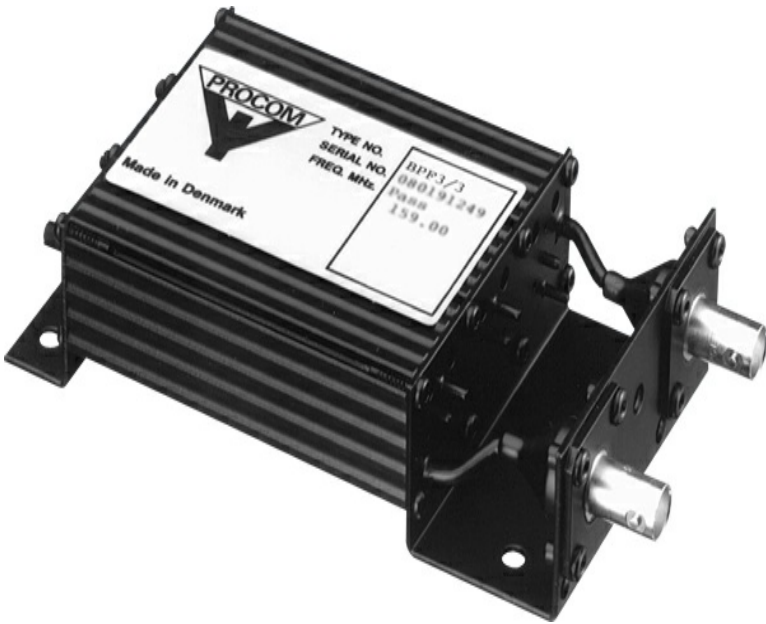
Electrical		
Model	BPF 3/3	
Filter Type	Band-pass filter	
Frequency	112 - 136 MHz	
Impedance	50 Ω	
Reject Attenuation	See curves	See curves
VSWR	< 1.5:1	
Maximum Input Power	50 W	

Mechanical	
Connection(s)	BNC female (others on request)
Dimensions	160 x 77 x 33 mm
Weight	0.42 kg / 0.93 lb

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

ORDERING

Type	Product No.
BPF 3/3-BNC(f)	200000854



DIAGRAM

TYPICAL RESPONSE CURVES

