

Band-Pass Filter for the 6 m Band

DESCRIPTION

- The BPF 6/3 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 watts of output power.
- The filter 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 passivated steel, and teflon insulation has been used in the coaxial cables and in the connectors. The filter is black vinyl coated to prevent corrosion.
- Band-pass filters similar to the BPF 6/3 but with pass-band frequency between 30 and 66 MHz may be quoted on request.



PLEASE NOTE

BPF 6/3 provided with other connector types, or filters similar to the BPF 6/3 but with pass-band frequency between 30 and 66 MHz may be quoted on request.

SPECIFICATIONS

Electrical		
Model	BPF 6/3	
Filter Type	Band-pass filter	
Frequency	48 - 52 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	175 (incl. conn.) x 77 x 33 mm	
Weight	0.39 kg / 0.86 lb	
Environmental		
Operating Temperature Range	-30°C to +60°C	
Frequency Stability	10 ppm/° C (approx.)	

ORDERING

Model	Product No.
BPF 6/3	200000886

DIAGRAM

TYPICAL RESPONSE CURVES

