

Band-Pass Filter for the 160 MHz Band

DESCRIPTION

- The BPF 2/3 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 144 - 175 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.
- Please specify frequency when ordering

SPECIFICATIONS

Electrical		
Model	BPF 2/3	
Filter Type	Band-pass filter	
Frequency	144 - 175 MHz	
Impedance	50 Ω	
Reject Attenuation	See curves	See curves
VSWR	< 1.5:1	
Maximum Input Power	50 W	
Mechanical		
Connection(s)	N female, BNC(f), TNC(f), UHF(f), SMA(f) on request	
Dimensions	160 x 77 x 33 mm / 6.3 x 3.0 x 1.3 in	
Weight	0.42 kg / 0.93 lb	
Environmental		
Operating Temperature Range	-30°C to +60°C	

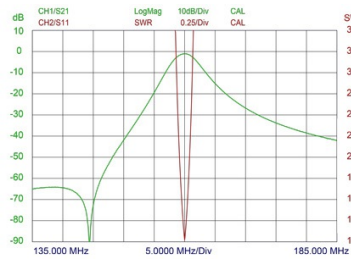
ORDERING

Type	Product No.
BPF 2/3 BNC	200000808
BPF 2/3 TNC	200000811
BPF 2/3 N	200000817
BPF 2/3 SMA	200000833



DIAGRAM

TYPICAL RESPONSE CURVES



MOUNTING DETAILS

