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
Max. Input Power	50 W
Insertion Loss	≤ 1.5 dB (typ. 1.0 dB)
Impedance	50 Ω
Reject Attenuation	See curve
VSWR	< 1.5:1
Bandwidth	See curve

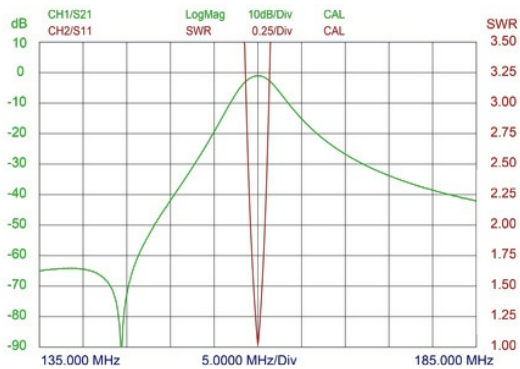
Mechanical	
Connection(s)	N(f) (BNC(f), TNC(f), UHF(f) or SMA(f) on request)
Dimensions	160 x 77 x 33 mm / 6.3 x 3.0 x 1.3 in.
Weight	Approx. 0.42 kg / 0.93 lb.

Environmental	
Operating temperature range	-30 °C to +60 °C

ORDERING

Model	Product No.
BPF 2/3 N(f)	200000817

TYPICAL RESPONSE CURVES



MOUNTING DETAILS