

Band-Pass Filter for the 70 cm Band

DESCRIPTION

- The BPF 70/3 is a 3 x ¼ λ resonator band-pass filter with internal 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 380 - 470 MHz band. Careful design and choice of materials ensure reliable operation over a wide temperature range.
- The housing is made of extruded aluminium, the chassis of brass, 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 70/3
Filter Type	Band-pass filter
Frequency	380 - 470 MHz
Max. Input Power	50 W
Insertion Loss	≤ 1.4 dB
Impedance	50 Ω
Reject Attenuation	See curve
VSWR	< 1.5:1
Bandwidth	4 MHz

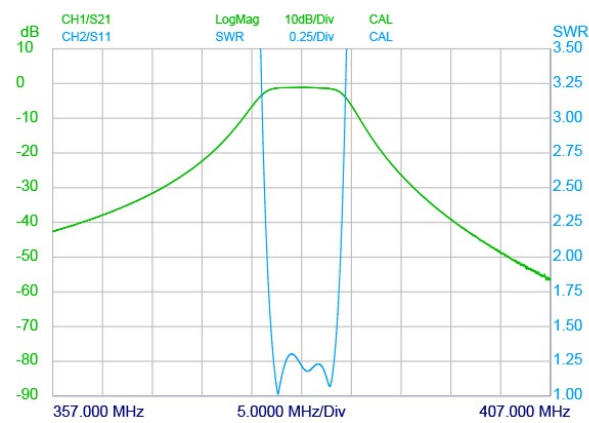
Mechanical	
Connection(s)	N(f) (BNC(f), TNC(f), UHF(f) or SMA(f) on request)
Dimensions	225 x 77 x 33 mm / 8.83 x 3.03 x 1.30 in. (incl. connectors)
Weight	Approx. 0.55 kg / 1.21 lb.

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

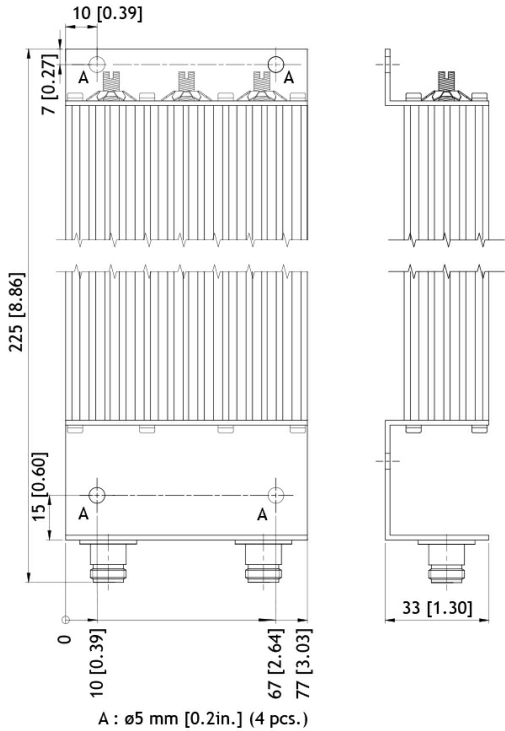
ORDERING

Model	Product No.
BPF 70/3 N(f)	200000906

TYPICAL RESPONSE CURVE



MOUNTING DETAILS



All dimensions are given in mm [in.]

