

Band-Pass Filter for the 450 MHz Band

DESCRIPTION

- The BPF 70/6 is a 6-¼ λ resonator band-pass filter with inductive coupling between the resonators.
- This filter can be used as a preselector to protect a receiver from interference from transmitters outside the band-pass limits.
- When installed in the output of a transmitter, the BPF 70/6 reduces spurious signals.
- The BPF 70/6 is adjustable over the range 406 - 470 MHz.
- Careful choice of materials ensures reliable functioning over a wide temperature range.
- Extruded aluminium sections, steel racks and coax cables and connectors with teflon insulation ensure good mechanical strength.
- BPF 70/6 is coated with black vinyl to prevent corrosion.



SPECIFICATIONS

Electrical	
Model	BPF 70/6
Filter Type	Band-pass filter
Frequency	406 - 470 MHz
Max. Input Power	50 W
Insertion Loss	≤ 3.2 dB
Impedance	50 Ω
Reject Attenuation	See curves
VSWR	≤ 1.5:1
Bandwidth	4 MHz

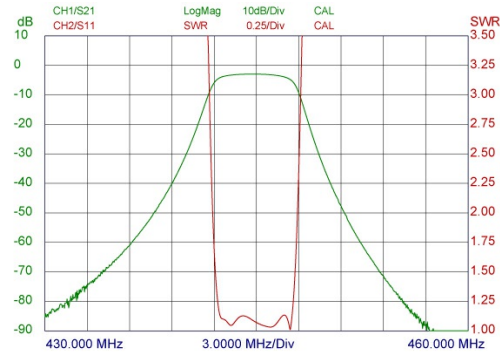
Mechanical	
Connection(s)	N(f) (other on request)
Dimensions	Approx. 230 (with connectors) x 154 x 33 mm / Approx. 9 x 6 x 1.3 in.
Weight	1.0 kg / 2.20 lb.

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

ORDERING

Model	Product No.
BPF 70/6-N	200001767
BPF 70/6-BNC	200001047
BPF 70/6-TNC	200001077

TYPICAL RESPONSE CURVES



MOUNTING DETAILS

