

Band-Pass Filter for the 160 MHz Band

DESCRIPTION

- The BPF 2/6-... is a 6-helical resonator band-pass filter with aperture 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 2/6 reduces spurious signals.
- The BPF 2/6-... is adjustable over the range 144 - 175 MHz.
- Very compact due to use of helical resonators.
- Careful choice of materials ensures reliable performance over a wide temperature range.
- Extruded aluminium sections, steel racks and coaxial cables and connectors with teflon insulation ensure good mechanical strength.
- The filter is black vinyl coated to prevent corrosion.

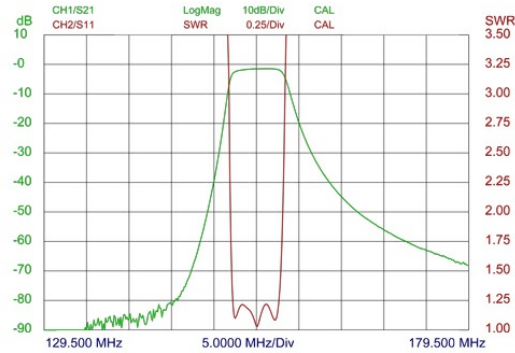


ORDERING

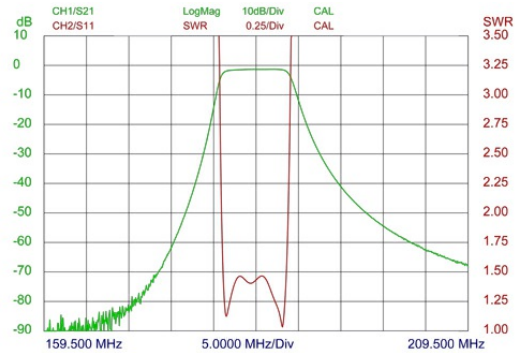
Model	Product No.	Description
BPF 2/6-1.5 N	200000841	Bandwidth: 1.5 MHz
BPF 2/6-4 N	200000840	Bandwidth: 4.0 MHz
BPF 2/6-5 N	200000824	Bandwidth: 5.0 MHz
BPF 2/6-6 N	200002653	Bandwidth: 6.0 MHz
BPF 2/6-7.5 N	200000834	Bandwidth: 7.5 MHz

TYPICAL RESPONSE CURVES

4 MHz Bandwidth



6 MHz Bandwidth



SPECIFICATIONS

Electrical	
Model	BPF 2/6-...
Filter Type	Band-pass filter
Frequency	144 - 175 MHz
Max. Input Power	35 W
Insertion Loss	≤ 2.5 dB Typ. 1.6 dB
Impedance	50 Ω
Attenuation	See curves
VSWR	< 1.5:1
Bandwidth	Can be ordered from 1.5 MHz to 7.5 MHz

Mechanical	
Connection(s)	N female (other on request)
Dimensions	165 x 154 x 33 mm
Weight	Approx. 0.5 kg / 1.10 lb

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

MOUNTING DETAILS

