

### Band-Pass Filter for the 160 MHz Band

- The BPF 2/4-... is a 4-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.

- The BPF 2/4-C (C = cable) can be installed directly into the PRO-AR4G-N, PRO-AR8G-N and PRO-AR16G-N receiver multicouplers as a preselector.
- When installed in the output of a transmitter, the BPF 2/4 reduces spurious signals.
- The BPF 2/4-... 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.

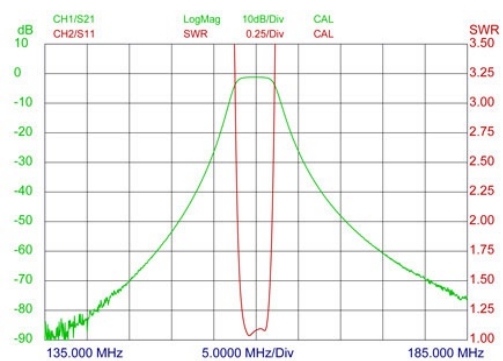


TYPE	BW	CONNECTOR	PRODUCT NO.
BPF 2/4-2-N(f)	2 MHz	N(f)	200000845
BPF 2/4-4-N(f)	4 MHz	N(f)	200000816
BPF 2/4-6-N(f)	6 MHz	N(f)	200002090

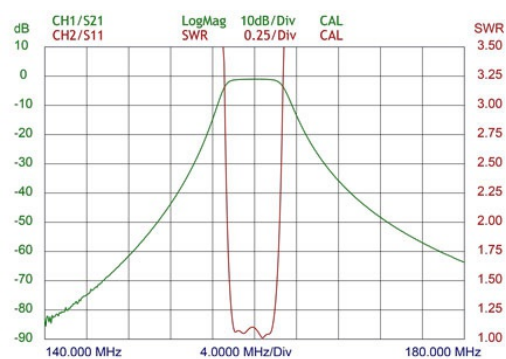
ELECTRICAL	
MODEL	BPF 2/4-...
FILTER TYPE	Band-pass filter
TUNING RANGE	144 - 175 MHz
MAX. INPUT POWER	35 W
INSERTION LOSS	≤ 1.5 dB typ. 1.2 dB
BANDWIDTH	Can be ordered with 2, 4 or 6 MHz
OUT OF BAND ATTENUATION	See curves
IMPEDANCE	Nom. 50 Ω
SWR	≤ 1.5
MECHANICAL	
TEMP. RANGE	-30° C → +60° C
CONNECTORS	N-female (BNC- or TNC-female on request)
DIMENSIONS (L x W x H)	165 x 104 x 33 mm / 6.5 x 4.1 x 1.3 in.
WEIGHT	Approx. 500 g

## TYPICAL RESPONSE CURVES

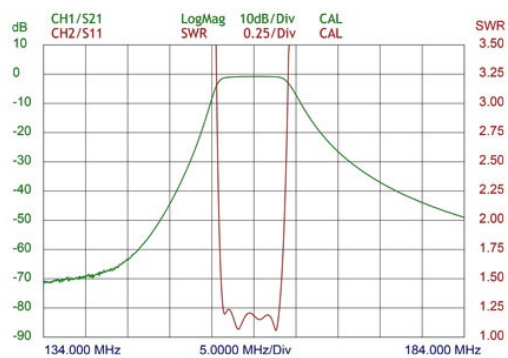
### 2 MHZ



### 4 MHZ



### 6 MHZ



## MOUNTING

