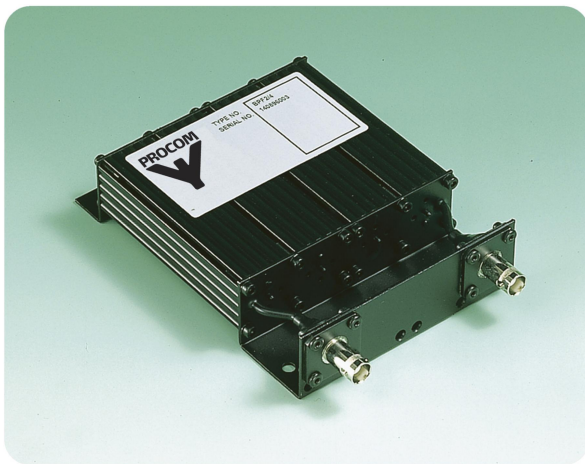


# BPF 2/4-...

## Band-Pass Filter for the 160 MHz Band

### DESCRIPTION

- 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.



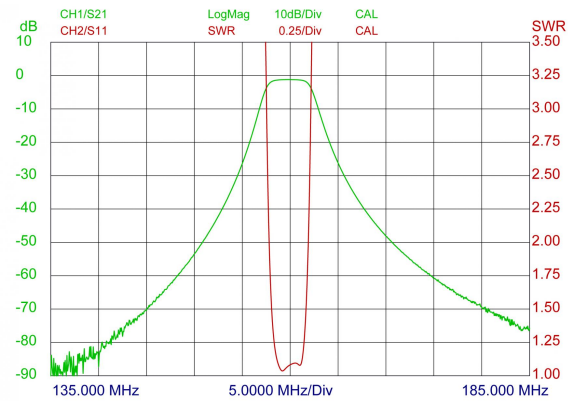
### ORDERING DESIGNATIONS

TYPE	BW	CONNECTOR	PRODUCT NO.
BPF 2/4-2-BNC(f)	2	BNC(f)	200000848
BPF 2/4-4-BNC(f)	4	BNC(f)	200000870
BPF 2/4-2-N(f)	2	N(f)	200000845
BPF 2/4-4-N(f)	4	N(f)	200000816
BPF 2/4-2-TNC(f)	2	TNC(f)	200001142
BPF 2/4-4-TNC(f)	4	TNC(f)	200002530

### SPECIFICATIONS

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
ATTENUATION AROUND PASS-BAND	Can be ordered in BW: 2 MHz BW: 4 MHz
OUT OF BAND ATTENUATION	See curves
IMPEDANCE	Nom. 50 Ω
SWR	≤ 1.5
MECHANICAL	
TEMP. RANGE	-30° C → +60° C
CONNECTORS	BNC-female (others on request)
DIMENSIONS (L x W x H)	165 x 104 x 33 mm
WEIGHT	Approx. 500 g

### TYPICAL RESPONSE CURVES



PROCOM A/S reserve the right to amend specifications without prior notice.

16/12/14