

BPF 2/4-...

Band-Pass Filter for the 160 MHz Band



DESCRIPTION:

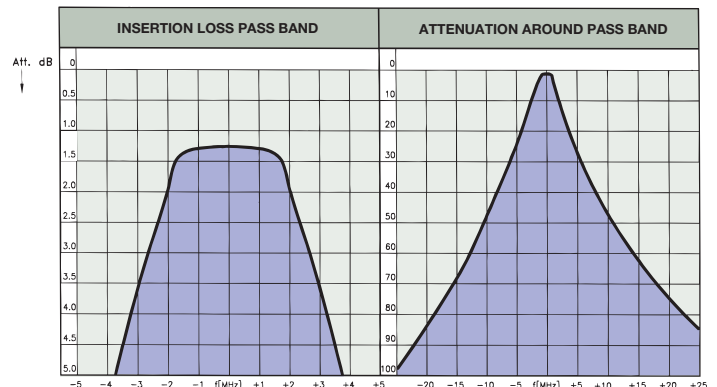
- ★ The BPF 2/4-... is a 4-helical resonator band-pass filter with aperture coupling between the resonators.
- ★ This filter can be used as a preselector to protect a receiver from interference from transmitters outside the band-pass limits.
- ★ The BPF 2/4-C (C = cable) can be installed directly into 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.



SPECIFICATIONS:

ELECTRICAL	
MODEL	BPF 2/4-...
FILTER TYPE	Band-pass filter
TUNING RANGE	144-175 MHz
MAX. INPUT POWER	35 watts
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:



TYPE NO.	PASS BAND WIDTH
BPF 2/4-2	2 MHz
BPF 2/4-4	4 MHz

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