

BPF 70/4

Band-Pass Filter for the 450 MHz Band

DESCRIPTION

- The BPF 70/4 is a 4 resonator $\frac{1}{4} \lambda$ 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 at the output of a transmitter, the BPF 70/4 reduces spurious signals.
- The BPF 70/4 is adjustable over the range 380 - 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.
- The filter is coated with black vinyl to prevent corrosion.



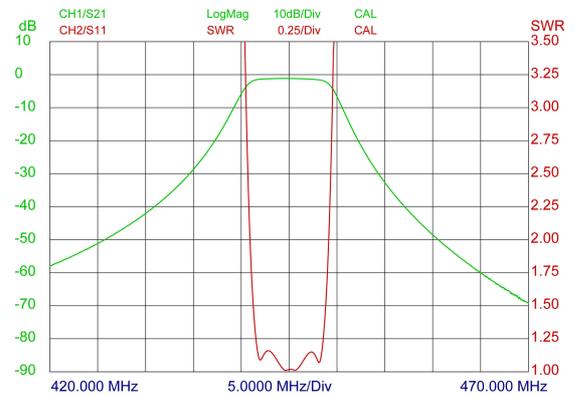
ORDERING DESIGNATIONS

TYPE	PRODUCT NO.
BPF 70/4 N(f)	200000925
BPF 70/4 BNC(f)	200000923
BPF 70/4 TNC(f)	200001125

SPECIFICATIONS

ELECTRICAL	
MODEL	BPF 70/4
FILTER TYPE	Band-pass filter
TUNING RANGE	380 - 470 MHz
MAX. INPUT POWER	50 W
INSERTION LOSS	≤ 1.5 dB
0.5 dB BW MHz	Min. 4 MHz
ATTENUATION AROUND PASS-BAND	See curves
OUT OF BAND ATTENUATION	See curves
IMPEDANCE	Nom. 50 Ω
SWR	≤ 1.5
MECHANICAL	
TEMP. RANGE	$-30^{\circ} \text{C} \rightarrow +60^{\circ} \text{C}$
CONNECTORS	N-female, BNC-female or TNC-female (others on request)
DIMENSIONS (L x W x H)	230 (with connectors) x 104 x 33 mm
WEIGHT	Approx. 690 g

TYPICAL RESPONSE CURVES



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

24/11/14