

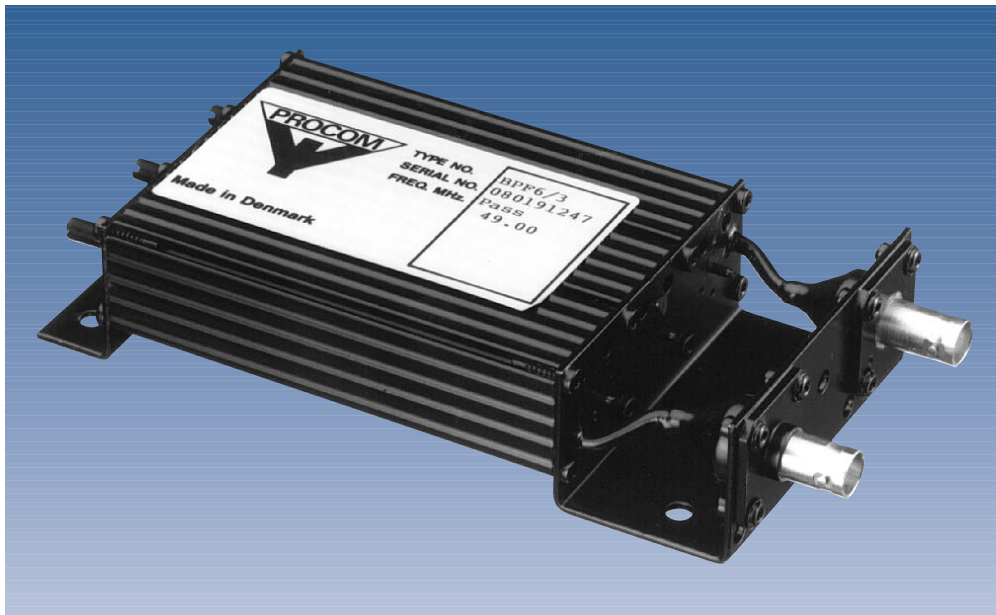
BPF 6/3

Band-Pass Filter for the 6 m Band



DESCRIPTION:

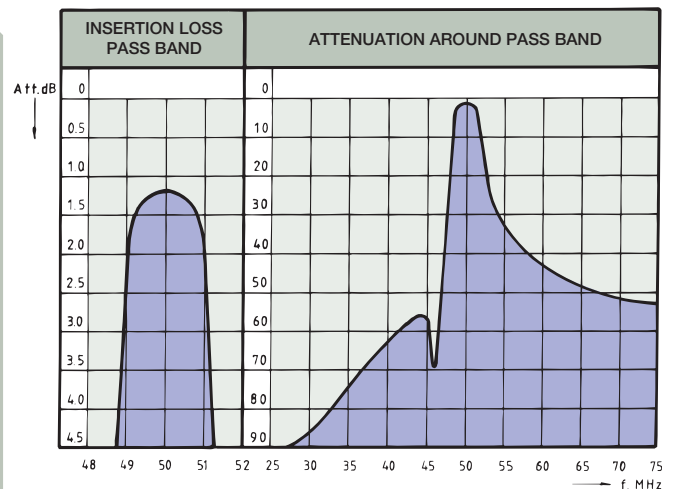
- ★ The BPF 6/3 is a 3-helical resonator band-pass filter with aperture-coupling between the resonators.
- ★ This filter can be used as a preselector to protect a receiver against interference from transmissions out of the pass-band, or it can be used to reduce spurious output from a transmitter with up to 50 watts of output power.
- ★ The filter has very small dimensions owing to the use of helical resonators. Careful design and choice of materials ensure reliable operation over a wide temperature range.
- ★ The housing is made of extruded aluminium, the chassis of passivated steel, and teflon insulation has been used in the coaxial cables and in the connectors. The filter is black vinyl coated to prevent corrosion.
- ★ Band-pass filters similar to the BPF 6/3 but with pass-band frequency between 30 and 66 MHz may be quoted on request.



SPECIFICATIONS:

ELECTRICAL	
MODEL	BPF 6/3
FILTER TYPE	Band-pass filter
TUNING RANGE	48-52 MHz
MAX. INPUT POWER	50 watts
INSERTION LOSS	≤ 1.5 dB
ATTENUATION AROUND PASS-BAND	See curves
OUT OF BAND ATTENUATION	See curves
IMPEDANCE	Nom. 50 Ω
SWR	≤ 1.5
MECHANICAL	
TEMP. RANGE	-30° C → +60° C
FREQ. STABILITY	Approx. 10 ppm/° C
CONNECTORS	BNC-female (others on request)
DIMENSIONS (L x W x H)	175 (incl. conn.) x 77 x 33 mm
WEIGHT	Approx. 390 g

TYPICAL RESPONSE CURVES:



PLEASE NOTE:

BPF 6/3 provided with other connector types, or filters similar to the BPF 6/3 but with pass-band frequency between 30 and 66 MHz may be quoted on request.

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