

# BPF 2/3-HX-150

Band-Pass Filter for the 2 m Band with High Power-Handling Capability (150 W)

## DESCRIPTION

- The BPF 2/3-HX-150 is a medium Q helical band-pass filter with power-handling up to 150 W.
- The BPF 2/3-HX-150 can be used as a preselector to prevent overloading of a receiver.
- 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.



## ORDERING DESIGNATIONS

TYPE	PRODUCT NO.
BPF 2/3-HX-150	200000821

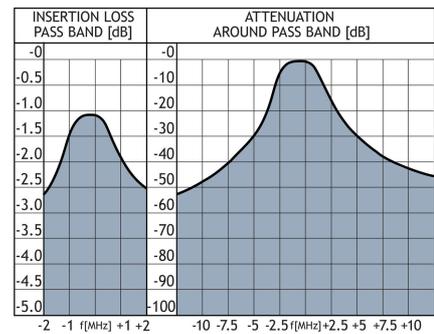
## ORDERING INFORMATION

The BPF 2/3-HX-150 is delivered factory-tuned. Depending on the nature of the problem the band-pass filter has to solve, please specify the relevant of the following data when ordering: Centre frequency, operating frequency of disturbed or disturbing transmitter, required attenuation at stop-frequency, tolerable insertion loss and, optionally: pass range bandwidth.

## SPECIFICATIONS

ELECTRICAL	
MODEL	BPF 2/3-HX-150
FILTER TYPE	Band-pass filter
FREQUENCY	145 - 174 MHz
MAX. INPUT POWER	150 W
ATTENUATION AROUND PASS-BAND	See curves
OUT OF BAND REJECTION	See curves
INSERTION LOSS (At 150 W)	≤ 0.8 (On request-tuning)
INSERTIOEN LOSS (At 50 W)	≤ 1.3 (Default tuning)
IMPEDANCE	Nom. 50 Ω
SWR	≤ 1.4
MECHANICAL	
TEMP. RANGE	-30° C → +60° C
FREQ. STABILITY	Approx. 18 ppm/° C
CONNECTORS	N-female
LENGTH (INCL. CONN.)	7.3 in.
WIDTH	4.9 in.
HEIGHT	2 in.
WEIGHT	Approx. 2.3 lb.

## TYPICAL RESPONSE CURVE



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

19/11/12