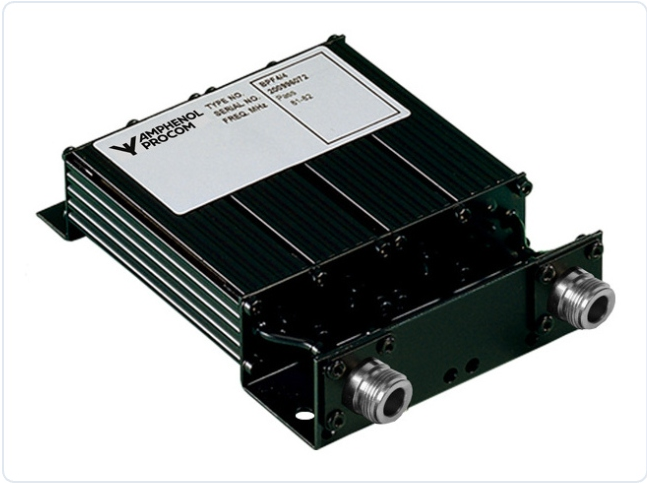




BPF 3/4

Band-Pass Filter for the 112 - 136 MHz Band



DESCRIPTION

- The BPF 3/4 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 against interference from transmissions out of the passband, or it can be used to reduce spurious output from a transmitter with up to 50 W output power.
- The filter can be tuned within the entire 112 – 136 MHz band. It 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 steel, and teflon insulation has been used in the coaxial cables and in the connectors.
- The filter is coated with black vinyl to prevent corrosion.

SPECIFICATION

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ELECTRICAL	
Model	BPF 3/4
Filter Type	Band-pass filter
Frequency	112 – 136 MHz
Max. Input Power	50 W
Insertion Loss	≤ 1.2 dB
Impedance	50 Ω
Reject Attenuation	See curve
VSWR	< 1.5:1
Bandwidth	See curve
ENVIRONMENTAL	
Operating temperature range	-30 °C to +60 °C
MECHANICAL	
Connection(s)	N(f) (BNC(f), TNC(f), UHF(f) or SMA(f) on request)
Historic Brand	Amphenol Procom
Dimensions	160 x 77 x 33 mm / 6.30 x 3.03 x 1.30 in.
Weight	Approx. 0.5 kg / 1.10 lb.

ORDERING CODES

MODEL

Band-Pass Filter for the 112 – 136 MHz Band

PRODUCT NO.

200000858

DIAGRAMS

TYPICAL RESPONSE CURVES

