BPF 3/4

Band-Pass Filter for the 112-136 MHz Band

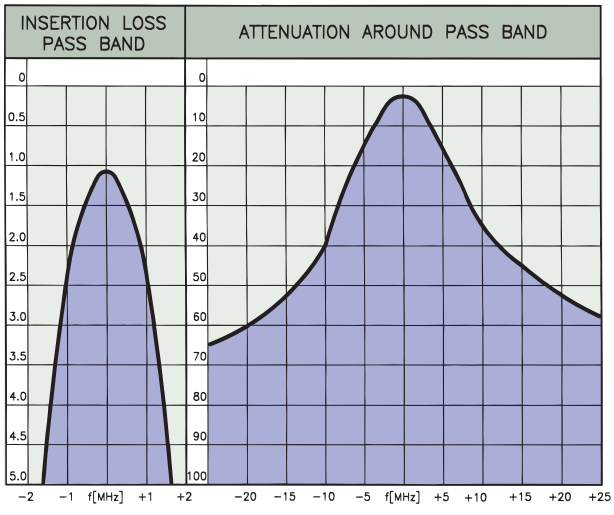
DESCRIPTION:

- ★ 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 watts 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 black vinyl coated to prevent corrosion.

SPECIFICATIONS:

ELECTRICAL	
MODEL	BPF 3/4
FILTER TYPE	Band-pass filter
TUNING RANGE	112-136 MHz
MAX. INPUT POWER	50 watts
INSERTION LOSS	≤ 1.2 dB (typ.)
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
CONNECTORS	BNC-female (others on request)
DIMENSIONS (L x W x H)	160 x 77 x 33 mm
WEIGHT	Approx. 500 g

TYPICAL RESPONSE CURVES :



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