

## Band-Pass Filter for the air band 118 - 137 MHz

### DESCRIPTION

- BPF 118-137 is an LC band-pass filter.
- Allows the whole 118 - 137 MHz band to pass.
- Series coupled high/low pass filter design.
- Chebychev characteristic ensures low insertion loss and high out-of-band rejection.
- Can be used as transmitter filter to prevent out-of-band and harmonics radiation.
- Can be used as a preselector filter to protect a receiver against interferences from transmitters normally being outside the band-pass range.
- Very small dimensions, mounted in a 48 x 50 mm box.
- FME-male connectors for easy and handy coupling to the surroundings.
- Also available with TNC(f), BNC(f) or SMA(f) connectors types.
- Provided with dual adhesive pad for quick installation.
- BPF 118-137 is lacquered with black vinyl enamel to avoid corrosion.



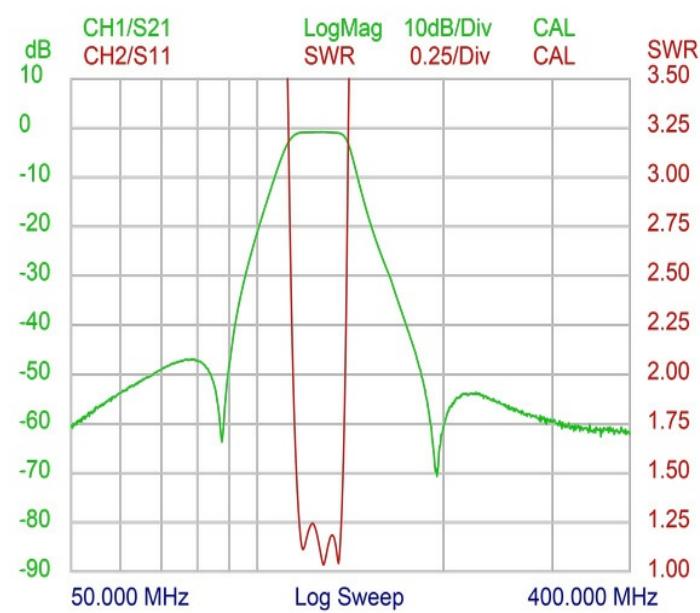
### SPECIFICATIONS

Electrical	
Model	BPF 118-137
Frequency	118 - 137 MHz
Max. Input Power	15 W AM, 100% mod.
Insertion Loss	Max. 1.2 dB
Impedance	50 Ω
Reject Attenuation	> 35 dB @ 0 - 90 MHz and 174 - 1000 MHz -see curves
VSWR	< 1.5:1
Bandwidth	19 MHz
Mechanical	
Connection(s)	FME(m), TNC(f), BNC(f) or SMA(f)
Dimensions	FME(m): 50 x 21 x 48 mm / 1.97 x 0.83 x 1.89 in. (incl. conn.)  TNC(f), BNC(f), SMA(f): 50 x 21 x 52 mm / 1.97 x 0.83 x 2.05 in. (incl. conn.)
Weight	Approx. 0.06 kg / 0.13 lb.
Environmental	
Operating temperature range	-30 °C to +60 °C
Ingress Protection	IP41

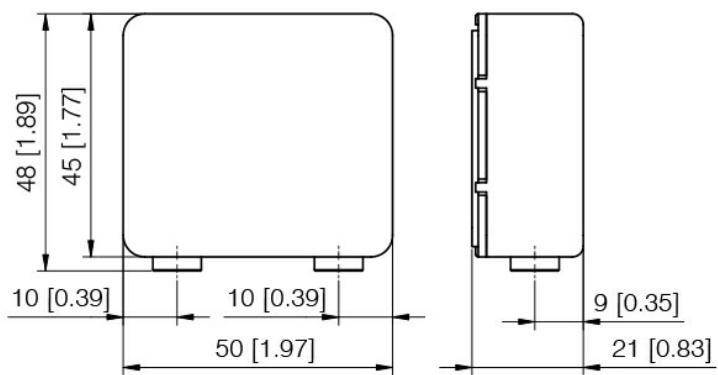
### ORDERING

Model	Product No.
BPF 118-137 FME(m)	200001837
BPF 118-137 TNC(f)	200002737
BPF 118-137 BNC(f)	200001160
BPF 118-137 SMA(f)	200002736

## TYPICAL RESPONSE CURVE

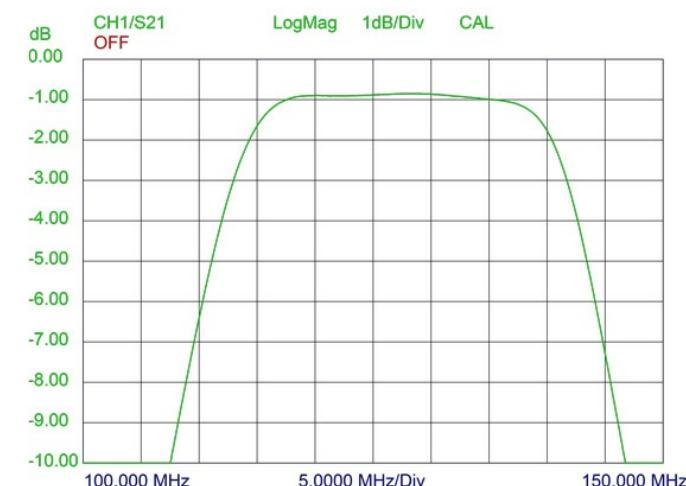


## MECHANICAL OUTLINE FOR FME(M)

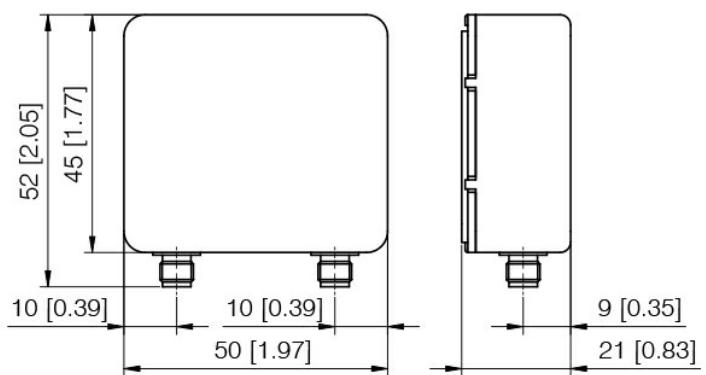


All dimensions are given in mm [in.]

## INSERTIONS LOSS (DB)



## MECHANICAL OUTLINE FOR TNC(F), BNC(F) OR SMA(F)



All dimensions are given in mm [in.]