

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 / 1.89 x 1.97 in. box.
- FME-male connectors for easy and handy coupling to the surroundings.
- Also available with SMA or TNC connector types. See ordering designations.
- 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...
Max. Input Power	15 W AM, 100% mod.
Pass Range	118 - 137 MHz
Insertion Loss	Max. 1.2 dB
Impedance	50 Ω
Reject Attenuation	> 35 dB @ 0 – 90 MHz and 174 – 1000 MHz see curve
VSWR	< 1.5:1

Mechanical	
Connection(s)	See ordering designations
Dimensions	FME: 50 x 21 x 48 mm / 1.97 x 0.83 x 1.89" SMA, TNC: 50 x 21 x 57 mm / 1.97 x 0.83 x 2.25"
Weight	0.06 kg / 0.13 lb.

Environmental	
Operating Temperature Range	-30 to 60 °C
Ingress Protection	IP41

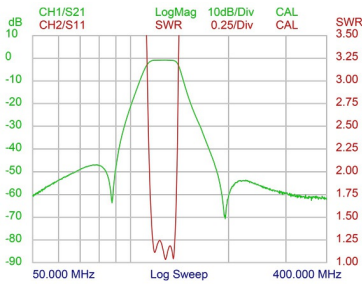
ORDERING

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

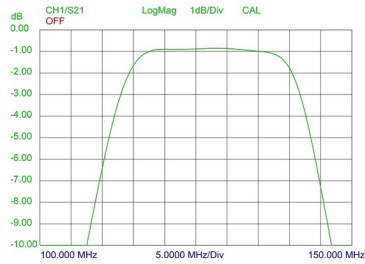


DIAGRAM

TYPICAL RESPONSE CURVES



INSERTIONS LOSS (dB)



MECHANICAL OUTLINE

