Band-Pass Filter for 136 - 225 MHz

DESCRIPTION

> BPF 136-225 is an LC band-pass filter.
> Allows the whole 136 – 225 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 45 x 50 mm / 1.77 x 1.97 in. box.
> FME-male connectors for easy and handy coupling to the surroundings.
> Also available with BNC or SMA*) connector types. See ordering designations.
> *) SMA version is provided with fixedly mounted FME to SMA adaptors.
> Provided with dual adhesive pad for quick installation.
> BPF 136-225 is lacquered with black vinyl enamel to avoid corrosion.
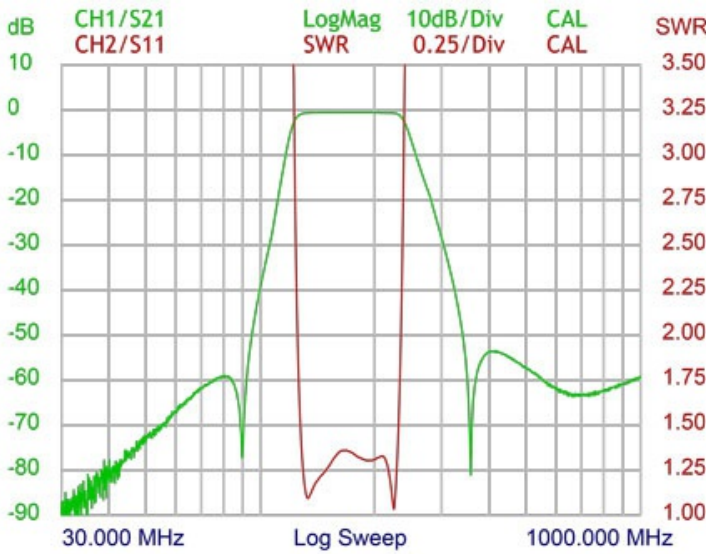
ORDERING

Model	Product No.	Description
BPF 136-225	200000895	FME(m)
BPF 136-225 BNC	200000878	BNC(f)
BPF 136-225 SMA	200002014	Adaptor FME(m) to SMA(f)

SPECIFICATIONS

Electrical	
Model	BPF 136-225...
Frequency	136 - 225 MHz
Max. Input Power	35 W
Insertion Loss	Max. 0.9 dB typ. = 0.7 dB
Impedance	50 Ω
Reject Attenuation	> 50 dB @ 0 - 88 MHz and 360 - 1000 MHz
VSWR	< 1.5:1
Bandwidth	89 MHz

Mechanical	
Connection(s)	See ordering designations
Dimensions	50 x 21 x 59 mm / 1.97 x 0.83 x 2.32"
Weight	0.06 kg / 0.13 lb

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

ADDITIONAL DATA

TYPICAL RESPONSE CURVES

MECHANICAL OUTLINE

FME

BNC or SMA