

Band-Pass Filter for the 1.6 - 30 MHz range

DESCRIPTION

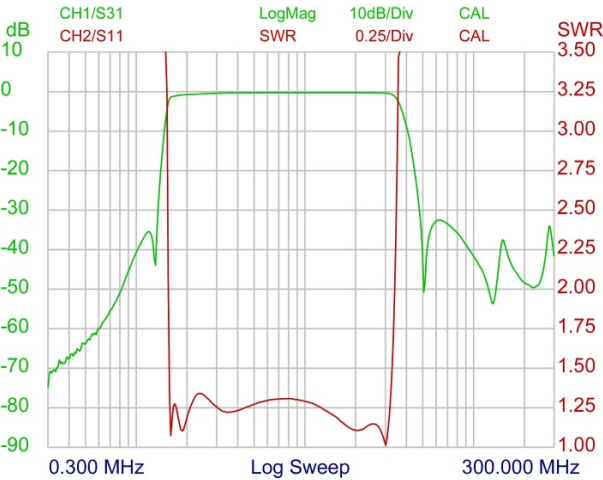
- Miniature LC band pass filter
- Allows the whole 1.6-30 MHz range to pass
- High attenuation of the LW and MW radio bands.
- Series coupled high/low pass filter design.
- Chebychev characteristic ensures low insertion loss and high out-of-band rejection.
- Can be used as transmitter filter to prevent out-of-band and harmonics radiation.
- Can be used as a preselector filter to protect a receiver against interferences from transmitters outside the bandpass range.
- Very small dimensions, mounted in a 48 x 50 mm box. FME-male connectors on both ports.
- Provided with dual adhesive pad for quick installation.
- BPF 1.6-30 is lacquered with black vinyl enamel to avoid corrosion.



ORDERING

Model	Product No.
BPF 1.6-30 FME(m)	200002728

Typical response curves



SPECIFICATIONS

Electrical	
Model	BPF 1.6-30
Frequency	1.6 - 30 MHz
Max. Input Power	15 W
Insertion Loss	≤ 2.0 dB @ 1.6 - 3 MHz ≤ 0.5 dB @ 3 - 30 MHz
Impedance	50 Ω
Reject Attenuation	>30 dB @ 0 - 1.3 MHz and 50 - 300 MHz
VSWR	< 1.5:1
Bandwidth	28.4 MHz
Mechanical	
Connection(s)	FME(m)
Dimensions	48 x 21 x 50 mm (incl. connector) 1.89 x 0.83 x 1.97 in. (incl. connector)
Weight	Approx. 0.07 kg / 0.15 lb
Environmental	
Operating Temperature Range	-30°C to +60°C
Ingress Protection	IP41

Mechanical Outline

