



FR10 Series
1-Cavity Pass VHF UHF
Filter
138-174 MHz

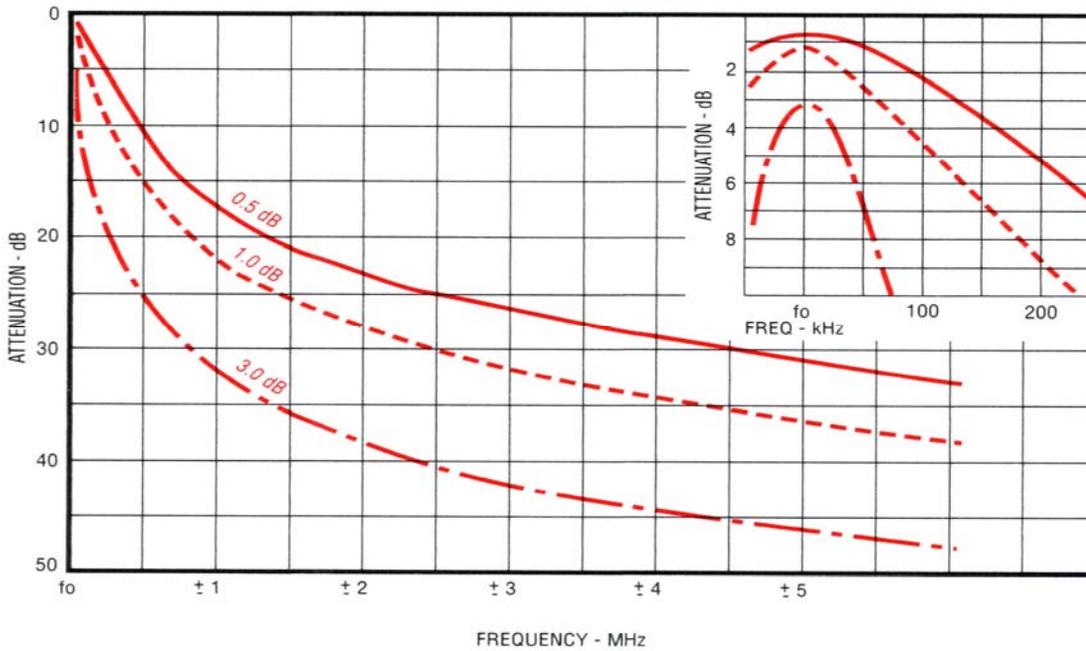


Electromagnetics

"Quality is everything."

JAG-BPF-161-10-1

* This is a general representation of this model's frequency response.



JAG-BPF-456-10-1 Shown for illustration

The JAG-BPF-161-10-1 Band-Pass filter is comprised of a 10-inch welded aluminum cavity with internal silver-plated tuners to maintain a very high Q and low loss. The JAG-BPF-161-10-1 is equipped with adjustable coupling loops that allow easy field adjustment of insertion loss and selectivity (see curve above).

The JAG-BPF-161-10-1 has been designed with temperature compensation in mind to avoid detuning and as a result, frequency drift over the operating temperature range is extremely small (≈ 0.5 ppm / degC).

Electrical Specifications		Mechanical Specifications		Environmental	
Model	JAG-BPF-161-10-1	Model	JAG-BPF-161-10-1	Model	JAG-BPF-161-10-1
Frequency Range (MHz)	148 - 174	Height	inches (mm) 10 (254)	Temperature Range	-40-degC to +60-degC
Insertion Loss (dB)	See Curve	Width	inches (mm) 10 (254)		
Attenuation / Selectivity (dB)	See Curve	Depth	inches (mm) 32.5 (825.5)		
Input VSWR (See Below)	2.1:1 - 1.1:1	Weight	lb (kg) 15 (6.8)		
Ratings		Mounting System	19-inch rack mountable with optional kit (not supplied)		
I.L. Setting (dB)	Power (W)	VSWR	Termination 'N' Female		
0.5	400	1.1:1			
1.0	210	1.4:1			
1.5	N/A	N/A			
2.0	N/A	N/A			
2.5	N/A	N/A			
3.0	90	2.1:1			
Nominal Impedance (Ω)	50				

JAG-BPF-161-10-1 Product Specification Sheet.

Specifications are subject to change without notice. As a result, all information contained in the present datasheet is subject to confirmation at time of ordering.



JAG's dedication to continuous Research & Development will result in product improvements as they evolve.