



FR7 Series
1-Cavity Pass VHF UHF
Filter
138-174 MHz

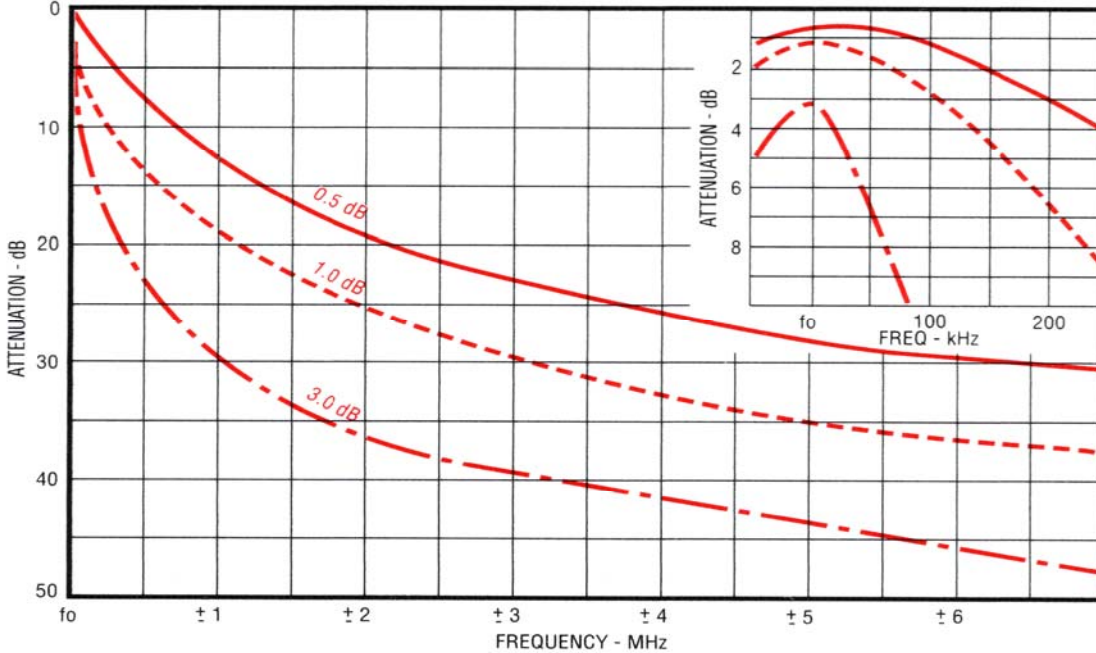


Electromagnetics

"Quality is everything."

JAG-BPF-161-07-1

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



JAG-BPF-161-07-1 Shown for illustration

The JAG-BPF-161-07-1 Band-Pass filter is comprised of a 7-inch aluminum extrusion cavity with internal silver-plated tuners to maintain a relatively high Q and low loss. The JAG-BPF-161-07-1 is equipped with adjustable coupling loops that allow easy field adjustment of insertion loss and selectivity (see curve above).

The JAG-BPF-161-07-1 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-161-07-1	Model	JAG-BPF-161-07-1	Model	JAG-BPF-161-07-1
Frequency Range (MHz)	148 - 174	Height	inches (mm) 7 (177.8)	Temperature Range	-40-degC to +60-degC
Insertion Loss (dB)	See Curve	Width	inches (mm) 7 (177.8)		
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) 10 (4.54)		
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	200	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-161-07-1 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.

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Made in Canada

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RF EMI Engineering Technology
 26-1750 Creek Way
 Burlington, Ontario
 L7L 7E2 Canada

Email: info@jagelectromagnetics.com
 Web: www.jagelectromagnetics.com
 Tel (905)-635-7437
 Fax (905)-332-8093



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