



PRD1 Series

6-Cavity Pass-Reject

VHF
UHF

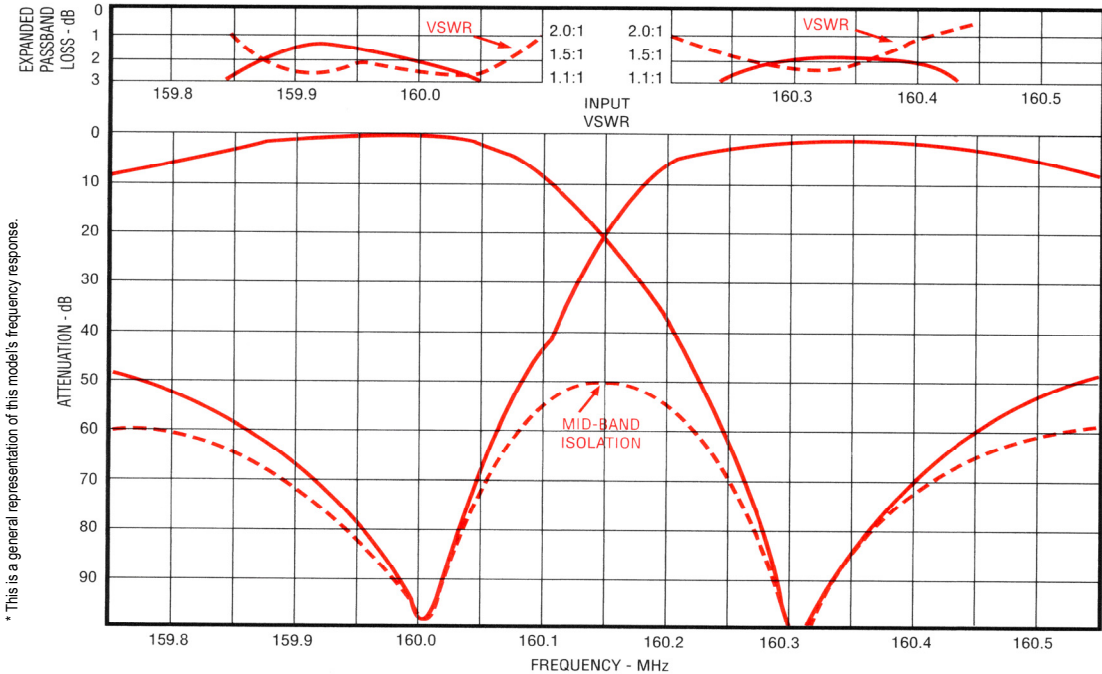
Duplexer

148-174 MHz

Electromagnetics

"Quality is everything."

JAG-PRD-161-07-6-RM



JAG-PRD-161-10-6-RM Shown for illustration

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

The JAG-PRD-161-07-6-RM six-cavity band-pass/band-reject duplexer is comprised of 7-inch aluminum cavities with internal silver-plated tuners to maintain a very high Q and low loss. As a consequence, the JAG-PRD-161-07-6-RM provides isolation in excess of 90dB at frequency separations of 300 kHz or greater.

The JAG-PRD-161-07-6-RM 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-PRD-161-07-6-RM	Model	JAG-PRD-161-07-6-RM	Model	JAG-PRD-161-07-6-RM
Frequency Range (MHz)	148 – 174	Height	inches (mm) 33 (838.2)	Temperature Range	-40-degC to +60-degC
Bandwidth @ 1.5:1 VSWR or Better (MHz)	26	Width	inches (mm) 19 (483)		
		Depth	inches (mm) 24 (609.6)		
Maximum Input VSWR	1.5:1	Weight	lb (kg) 85 (38.5)		
Maximum Input Power (Watts)	200	Mounting System	19-inch rack mount		
Min Frequency Separation (MHz)	0.3				
Insertion Loss (dB)	2.9 – 3.5	Termination	'N' Female		
Isolation (dB)					
	Tx noise suppression at Rx 95 min.				
	Rx suppression at Tx 95 min.				
	Port to Port 95 min.				
Nominal Impedance (Ω)	50				

JAG-PRD-161-07-6-RM 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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JAG's dedication to continuous Research & Development will result in product improvements as they evolve.