

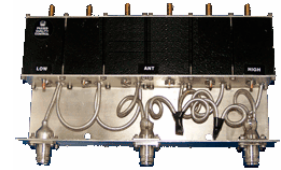
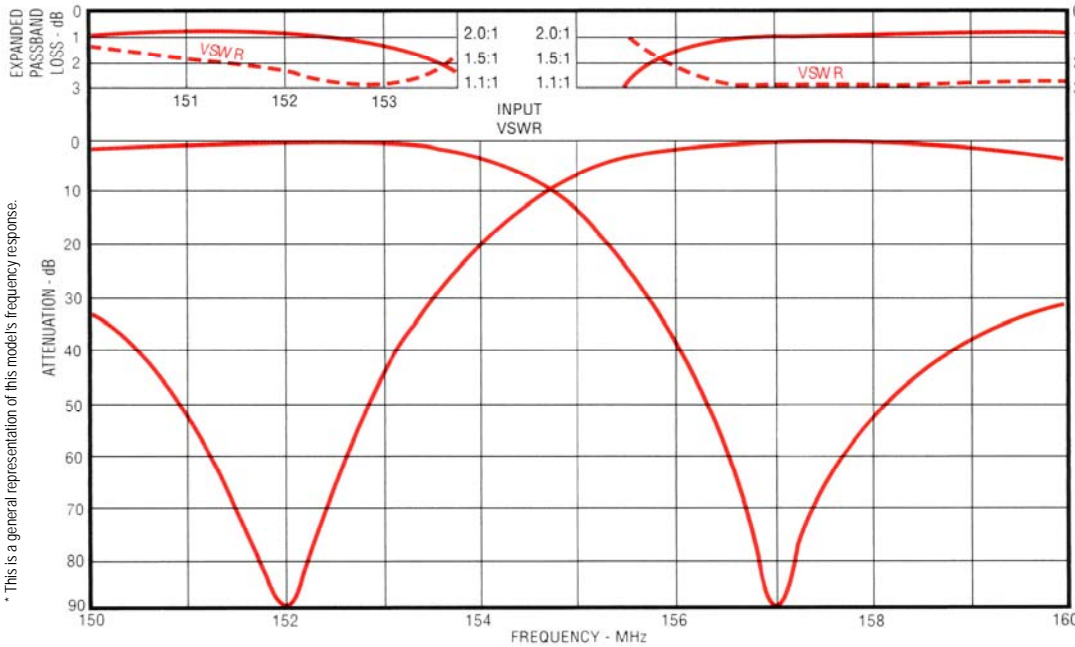


MRD1 Series
6-Cavity Mobile VHF UHF
Duplexer
136-148 MHz



Electromagnetics
"Quality is everything."

JAG-MRD-142-01-6



JAG-MRD-142-01-6C Shown for illustration

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

The JAG-MRD-142-01-6 mobile duplexer is comprised of six 1-inch aluminum cavities with internal silver-plated copper helical resonators and has been designed with temperature compensation in mind. As a consequence, the JAG-MRD-142-01-6 maintains relatively high isolation at frequency separations as close as 4.5 MHz and as wide as 10 MHz.

The JAG-MRD-142-01-6 specifications below are standard; however, variations on connectors, mounting and cavity configurations are available on special order.

Electrical Specifications		Mechanical Specifications		Environmental	
Model	JAG-MRD-142-01-6	Model	JAG-MRD-142-01-6	Model	JAG-MRD-142-01-6
Frequency Range (MHz)	136 - 148	Height	inches (mm) 1.31 (33.3)	Temperature Range	-10-degC to +30-degC
Insertion Loss (dB)	Tx to Ant. 1.5 - 1.9	Width	inches (mm) 6.25 (159)		
	Rx to Ant. 1.5 - 1.9	Depth	inches (mm) 7 (178)		
Maximum Input VSWR	1.7:1	Weight	lb (kg) 2.5 (1.13)		
Maximum Input Power (Watts)	50	Mounting System	Base mount		
Frequency Separation (MHz)	Minimum 4.5	Termination *	'BNC' Female		
	Maximum 10				
Isolation (dB)	Tx noise suppression at Rx	*Variations on connectors are available on special order.			
	Rx isolation at Tx			75 min.	
	Port to Port			75 min.	
Nominal Impedance (Ω)	50				

JAG-MRD-142-01-6 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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JAG's dedication to continuous Research & Development will result in product improvements as they evolve.