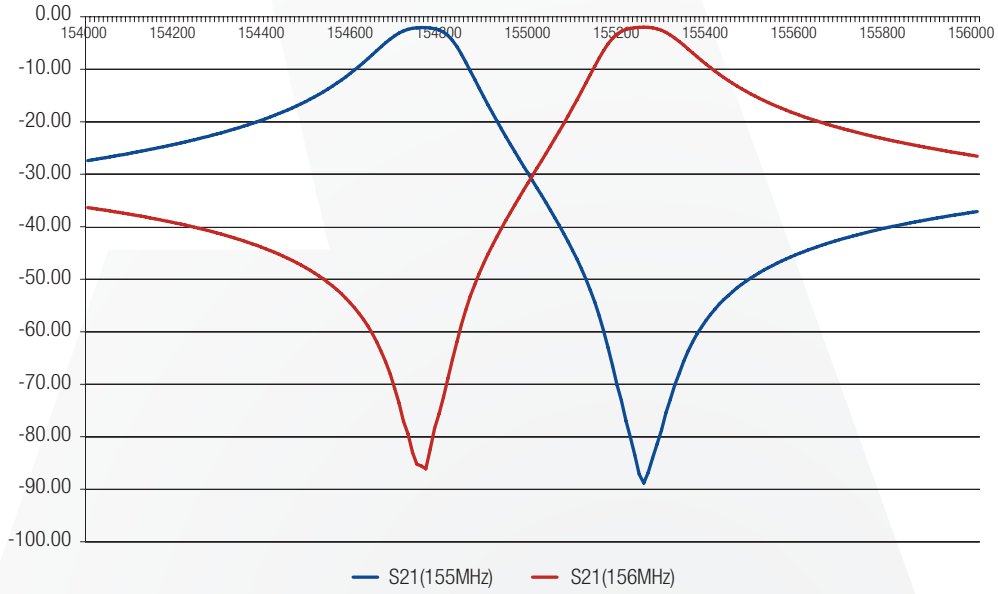




Mavitek MVD series band pass/band reject, 4 cavity duplexers are designed and produced for the 136-174MHz band. They perform simultaneous receive and transmit function into the same antenna with minimum insertion loss and maximum performance. MVD series duplexers are blue enamel painted copper. The connectors are silver plated and PTFE insulated. MVD series are configured to be installed in cabinets if needed. With high "Q" values they achieve maximum isolation and superior performance with 500kHz Rx/Tx frequency shift.

MVD series perform flawlessly under extreme conditions like -30°C to +60°C under 350Watts maximum input power. They are the ideal choice for full duplex repeaters and base stations. MVD series duplexers will be tuned to the frequencies required by the customer and shipped ready for installation. If field retuning is needed, it can be performed flawlessly by the "Invar" tuning rod within the duplexer's frequency range.

- ▲ Copper Cavities
- ▲ Silver Plated Connectors
- ▲ High Stability and Sensitivity
- ▲ Designed for Extreme Conditions



Model No	MVD4136	MVD4148
Electrical Specifications		
Tuning Range	136-150MHz	148-174MHz
Minimum Frequency Separation	500kHz	
Maximum Input Power	350W	
Insertion Loss Tx/Rx to Ant.	1.5dB nominal	
VSWR (max.)	Better than 1.5:1	
Rx Isolation at Tx Frequency	More than 80dB	
Tx Isolation at Rx Frequency	More than 80dB	
Impedance	50Ω Nominal	
Mechanical Specifications		
Temperature Range	-30°C to +60°C	
Number of Cavities	4/200mm	
Connectors	N - Type Female	
Color / Paint	Blue / Glossy Enamel	
Weight (approx.)	23kg / 50.7lbs	
Dimensions (WxHxD)	440x700x460mm / 17.3x27.55x18.1in	
Mounting	Cabinet / 17U Height	

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