



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 aluminium. 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.

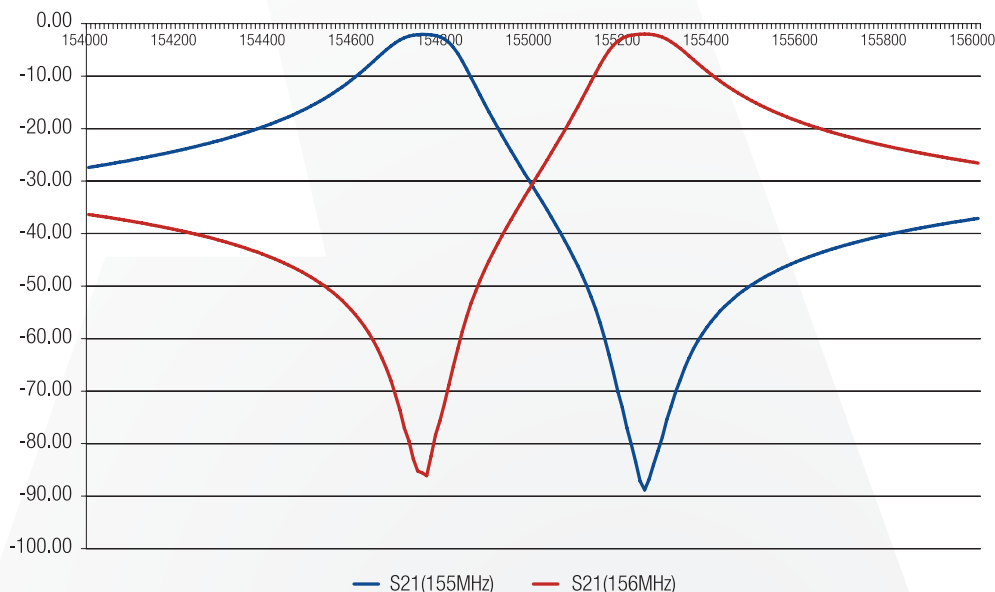
MVD series perform flawlessly under extreme conditions like -30°C to +60°C under 350Watts maximum input power. They are the ideal choice for full duplex repeaters and base stations. MVD series duplexers will be tuned to the frequencies required by the customer and shipped ready for installation. If field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

▲ Aluminium Cavities

▲ Silver Plated Connectors

▲ High Stability and Sensitivity

▲ Designed for Extreme Conditions



Model No	MVD4143	MVD4155	MVD4167
Electrical Specifications			
Tuning Range	136-150MHz	148-162MHz	160-174MHz
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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