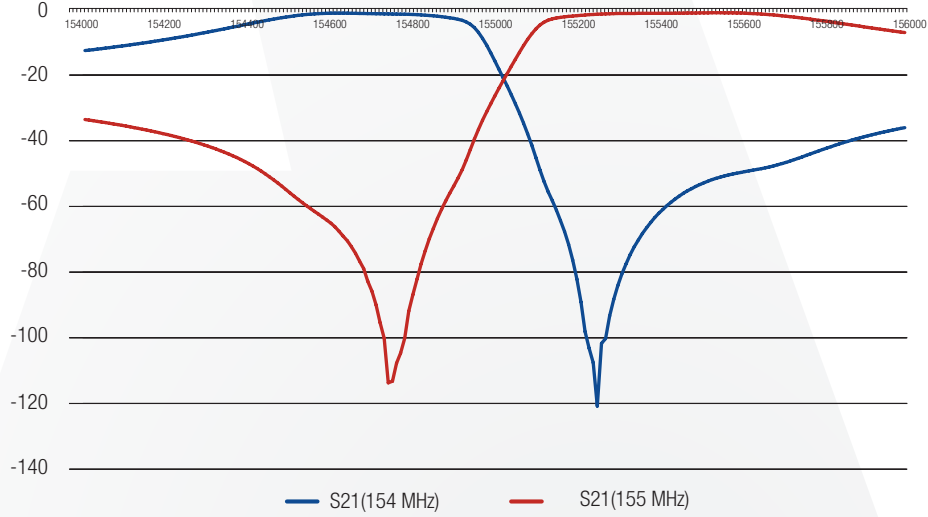




Mavitek MVD series band pass/band reject, 6 cavity duplexers are designed and produced for the 136-174MHz band. They perform simultaneous receive and transmit function into the same antenna with minimum insertion loss and maximum performance. MVD series duplexers are blue enamel painted copper. The connectors 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 300Watts 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 | MVD6138 | MVD6148 |
|----------------------------------|--------------------------------|------------|
| Electrical Specifications | | |
| Tuning Range | 136-157MHz | 155-174MHz |
| Minimum Frequency Separation | 500kHz | |
| Maximum Input Power | 300W | |
| Insertion Loss Tx/Rx to Ant. | 1.5dB nominal | |
| VSWR (max.) | 1.5:1 or less | |
| Rx Isolation at Tx Frequency | 90dB min | |
| Tx Isolation at Rx Frequency | 90dB min | |
| Impedance | 50Ω Nominal | |
| Mechanical Specifications | | |
| Temperature Range | -30°C to +60°C | |
| Number of Cavities / Dia. | 6/150mm | |
| Connectors | N - Type Female | |
| Color / Paint | Blue / Glossy Enamel | |
| Weight (approx.) | 23.5kg / 52lbs | |
| Dimensions (WxHxD) | 480x740x330mm / 18.9x29.1x13in | |

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