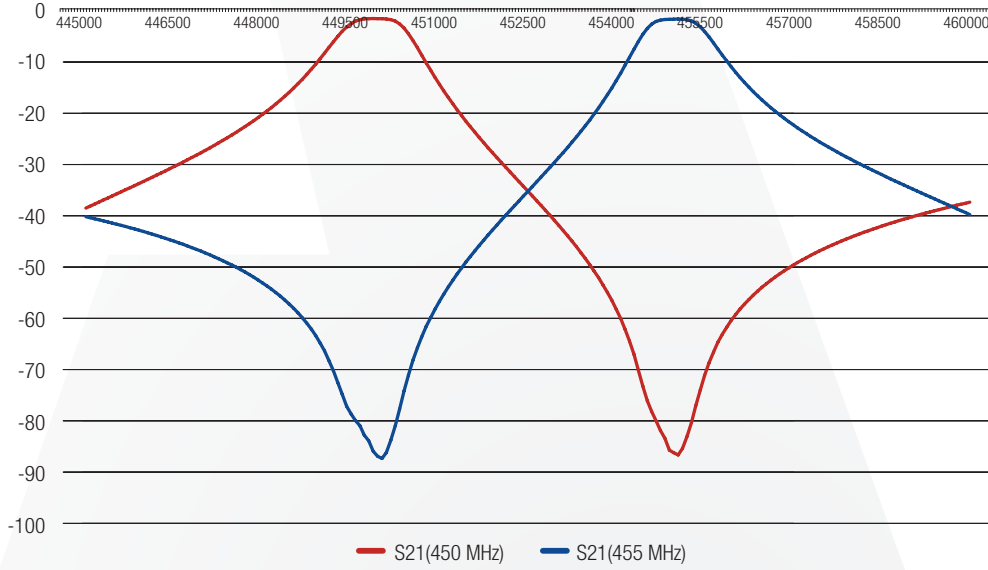




Mavitek MUD series band pass/band reject, 4 cavity duplexers are designed and produced for the 380-470MHz band. They perform simultaneous receive and transmit function into the same antenna with minimum insertion loss and maximum performance. MUD series duplexers are blue enamel painted copper. The connectors are silver plated and PTFE insulated. MUD series are configured as industrial standard 19"/3U rack mount. With high "Q" values they achieve maximum isolation and superior performance with 5MHz Rx/Tx frequency shift.

MUD series perform flawlessly under extreme conditions like -30°C to +60°C under 250Watts maximum input power. They are the ideal choice for full duplex repeaters and base stations. MUD 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	MUD4380	MUD4440
Electrical Specifications		
Frequency Band	380 - 430MHz	420 - 470MHz
Minimum Frequency Shift	5MHz	
Maximum Power Input	250W	
Insertion Loss Tx/Rx-Ant.	1dB (Adjustable)	
VSWR (Max.)	1.5:1	
Tx Frequency noise suppression at Rx Frequency	more than 80dB	
Rx Frequency noise suppression at Tx Frequency	more than 80dB	
Impedance	50Ω	
Mechanical Specifications		
Temperature Range	-30°C to +60°C	
No of Cavities/Diameter	4/108mm	
Connector Type	"N" Female	
Color/Paint	Blue/Glossy Enamel	
Weight (Approx.)	7.5 kg / 16.5 lbs	
Size (WxHxD) Approx.	481x133x310 mm / 19x5.23x12.2 in	
Mounting	19"/3U Rack	

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