

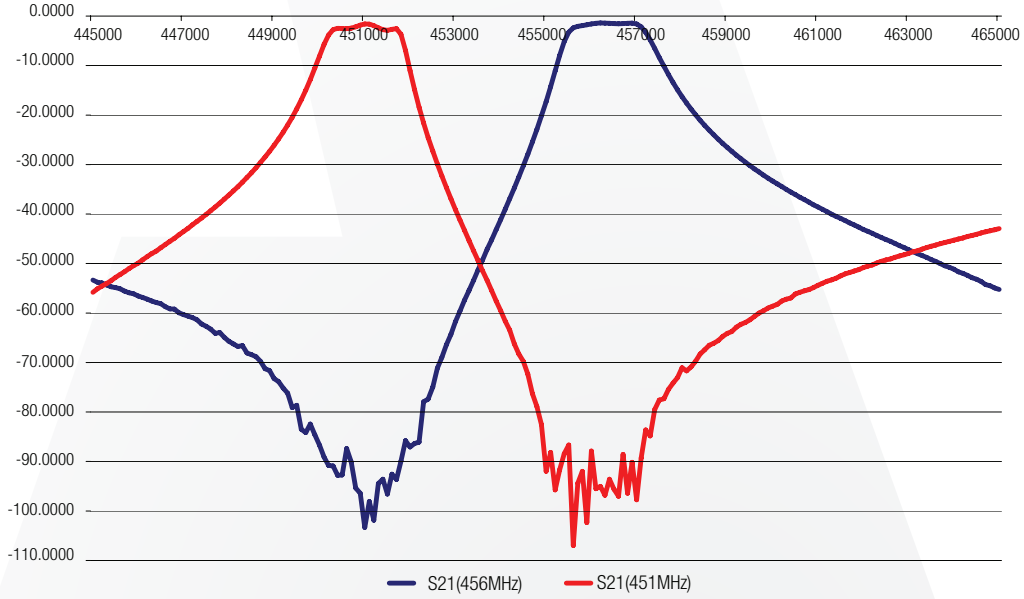


Mavitek MUD series band pass/band reject, 6 cavity duplexers are designed and produced for the 380-470MHz band. They perform simultaneous receive and transmit function into the same antenna with minimum insertion loss and maximum performance. MUD series duplexers are blue enamel painted copper. The connectors 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 by the tuning rod within the duplexer's frequency range.

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



Model No	MUD6380	MUD6440
Technical Specifications		
Frequency Range	380 - 430 MHz	420-470 MHz
Minimum Frequency Separation	5MHz optimal performance 3MHz with reduced isolation	
Max. Power	250W	
Insertion Loss Tx/Rx - Ant.	1.5dB (Adjustable)	
VSWR (max.)	1.5:1	
Tx Frequency noise suppression at Rx Frequency	More than 90dB	
Rx Frequency noise suppression at Tx Frequency	More than 90dB	
Impedance	50Ω	
Mechanical Specifications		
Temperature Range	-30°C to +60°C	
No of Cavities / Diameter	6/108mm	
Connector Type	Female N-Type as standard (other types available optionally)	
Color / Paint	Blue / Glossy Enamel	
Weight (approx.)	12kg / 26.5lbs	
Size (WxHxD) approx.	482x266x320mm	
Mounting	19" / 6U Rack	

Telsan Telsiz San. ve Tic. A.Ş.

Seyrantepe Mah. Yayıncılar Sok. No:5 Kağıthane 34418 İstanbul Türkiye

T: +90 212 2122232 F: +90 212 2126899

www.mavitek.com