

VHF Cavity Duplexer

The base station duplexer is ideal for high power, close frequency separation installations. These filters are designed for combining two frequencies or they can be used as efficient pre-selectors. If higher levels of isolation are required, please consider using 6 cavity configurations. Selectivity can be determined by the field adjustable capacitors. Each cavity is temperature compensated for operation between -40°C to +65°C. Each cavity has silver-plated loops, and silver-plated tuning rods.

●Specifications:

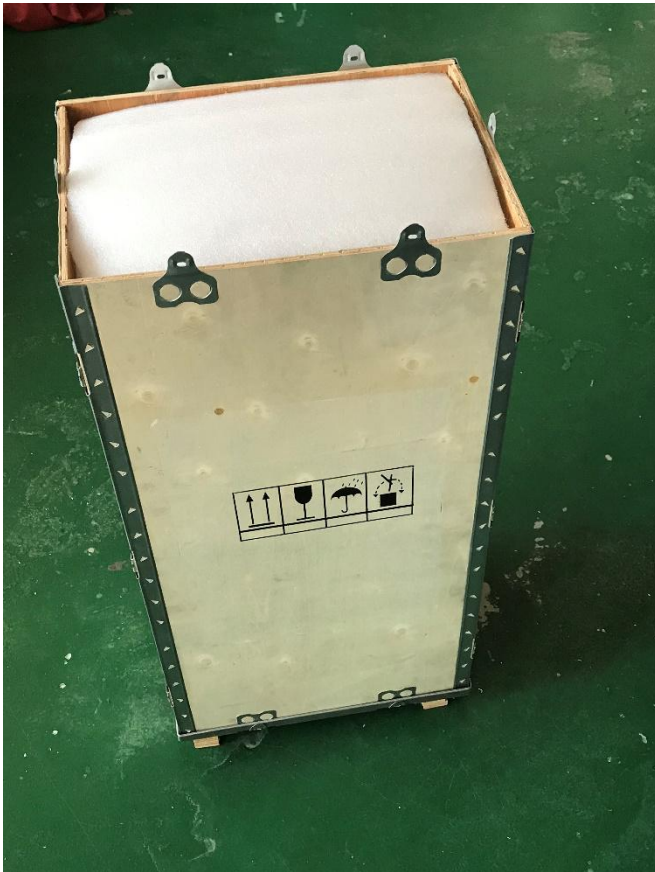
Product Number	MNL-T-SGQ-150-6	
Electrical Specifications		
Channel	Low Pass (RX)	High Pass (TX)
Frequency Range	136~174MHz	136~174MHz
	Frequency can be made within 136~174MHz range	
RX-TX Min. Separation	0.5MHz	
Cavity Quantity	6 (RX: 3 cavity, TX: 3 cavity)	
Cavity Shape	Square	
Insertion Loss	≤2dB@0.6MHz spacing, ≤1.5dB@5MHz spacing	
VSWR	≤1.35	
Rejection	≥90dB@0.6MHz spacing, ≥100dB@5MHz spacing	
RX-TX Isolation	≥90dB@0.6MHz spacing, ≥100dB@5MHz spacing	
Max. Input Power	350W (CW)	
Mechanical Specifications		
Operating Temperature	-40℃~+65℃	
Inner Conductor	Silver plated copper	
Connector Type	N-Female, 50Ω	
Dimensions	320mm*675mm*212mm	
Shipping Size	800mm*390mm*280mm	
Net Weight	17.5KG	
Shipping Weight	25KG	

Appearance	SilverColor-"The filter housing is aluminum alloy with a chrome-colored surface finish."
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●**6 cavity Duplexer Figure:** Can be mounted in a 19-inch communication rack



6 Cavity Duplexer Picture



Wooden Box Package Picture

● Typical Response Curves at 0.6MHz RX-TX separation:

