

# 136~174MHz 6 Cavity Duplexer

## TS-T-SGQ-150-6 Cavity Duplexer

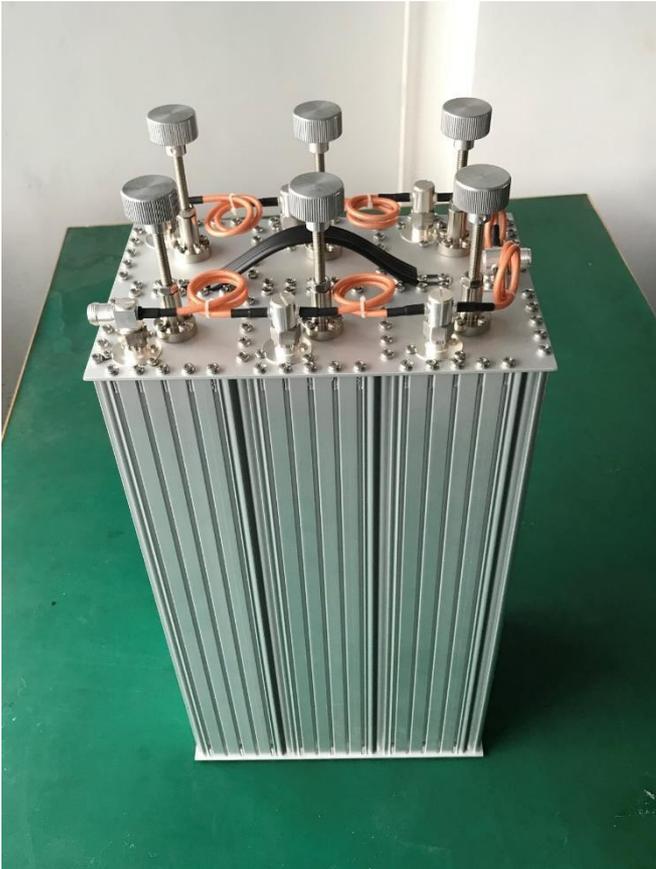
The duplexer is ideal for high power, close frequency separation installations. These filters are designed for combining two frequencies or they can be used as efficient pre-selectors. If higher isolation are required, please consider using 6 cavity duplexer. Selectivity can be determined by the field adjustable capacitors. Each cavity is temperature compensated for operation between -20°C to +65°C. Each cavity has silver-plated loops, and silver-plated tuning rods.

### ●Specifications:

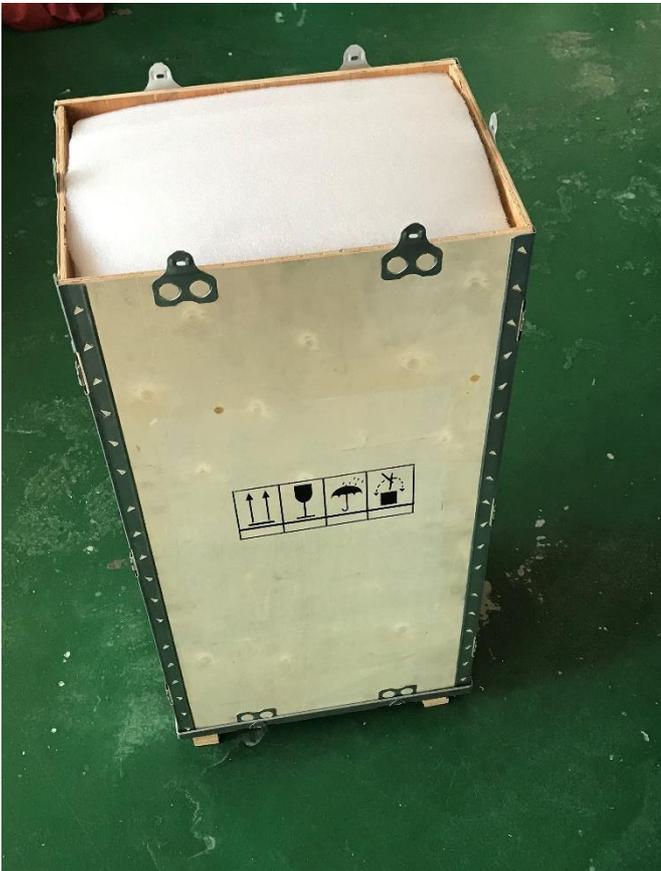
Product Number	TS-T-SGQ-150-6	
<b>Electrical Specifications</b>		
Channel	Low Pass (RX)	High Pass (TX)
Frequency Range	136~174MHz	136~174MHz
	Frequency can be made within 136~174MHz range	
RX-TX Separation	0.6MHz (for example RX=145.0125MHz, TX=145.6125MHz)	
Cavity Quantity	6 (RX: 3 cavity, TX: 3 cavity)	
Cavity Shape	Square	
Insertion Loss	≤2dB@0.6MHz spacing	≤2dB@0.6MHz spacing
VSWR	≤1.2	≤1.2
Return Loss	≥25dB	≥25dB
Rejection	≥90dB@TX Side	≥90dB@RX Side
RX-TX Isolation	≥90dB@0.6MHz spacing	
Max. Input Power	350W (CW)	
<b>Mechanical Specifications</b>		
Operating Temperature	-20°C ~ +65°C	
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	Silver Color	

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## •6 cavity Duplexer Figure:



6 Cavity Duplexer Picture



Wooden Box Package Picture

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

