

## Triplexer Preliminary Specifications

Serial	Parameters	CH1	CH2	CH3
1	Passband	130-180MHz	300-325MHz	400-470MHz
2	Return Loss	$\geq 14$ dB	$\geq 14$ dB	$\geq 14$ dB
3	Insertion Loss	$\leq 1.0$ dB	$\leq 1.0$ dB	$\leq 1.0$ dB
4	Isolation	$\geq 50$ dB@300-325MHz	$\geq 50$ dB@130-180MHz $\geq 50$ dB@400-470MHz	$\geq 50$ dB@300-325MHz
5	Port Average Power	30W	20W	20W
6	Impedance	50		
7	Operating Temperature	$0^{\circ}\text{C}$ to $+60^{\circ}\text{C}$		
8	Application Environment	Indoor		
9	Dimensions	90x35x25mm (Not including the tuning screws and connectors)		
10	Connector Type	N-female		
11	Surface Finish	Conductive oxide or Black Painting		
12	Configuration	As below (Tolerance: $\pm 0.3$ mm)		

