

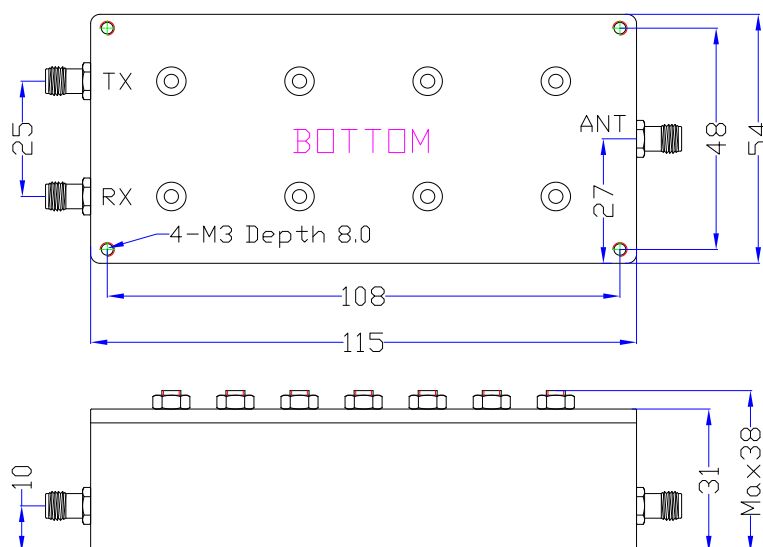
# WT-B0554-02

## Cavity Diplexer

### Technical Data Sheet

S/N	Item	Parameters	
		TX	RX
1	Center Frequency(F0)	1521.5MHz	1671.5MHz
2	Pass Band Frequency	1518 ~ 1525MHz **	1668 ~ 1675MHz **
3	Pass Band Insertion Loss	≤1.2dB	≤1.2dB
4	Pass Band Ripple	≤0.3dB	≤0.3dB
5	Pass Band Return Loss	≥18dB	≥18dB
6	Stop Band Attenuation	≥70dB @ 1668 ~ 1675MHz	≥70dB @ 1518 ~ 1525MHz
7	Isolation	≥70dB @ 1518 ~ 1525MHz , 1668 ~ 1675MHz	
8	Impedance	50 Ohms	
9	Power	20W CW	
10	Connectors	SMA-Female	
11	Surface Finish	Painted Black	
12	Port Sign	Port 1: ANT ; Port 2: TX ; Port 3: RX	
13	Temperature Range	-30°C ~ +70°C	
14	Material	Housing: 6061 Aluminum alloy Cover: LY12 Aluminum alloy Tuning screw: H62 Copper alloy	Resonant column: H59 Copper alloy Connectors: Stainless Steel Other screw: Stainless Steel
15	Dimensions	115*54*31mm	
16	Net weight	0.317 KG	

Outline Drawing: (Dimensions Unit: mm, Dimensions Tolerance: ±0.5mm)



\*\* The actual design bandwidth will be greater than the Pass Band Frequency, and there is no bandwidth limit.