

# WT-B0538-02

## Cavity Diplexer

### Technical Data Sheet

S/N	Item	Parameters	
		TX	RX
1	Center Frequency(F0)	815MHz	880MHz
2	Pass Band Frequency	790 ~ 840MHz	875 ~ 885MHz
3	Pass Band Insertion Loss	≤2.0dB	≤2.0dB
4	Pass Band Ripple	≤1.0dB	≤0.3dB
5	Pass Band Return Loss	≥17dB	≥17dB
6	Stop Band Rejection	≥100dB @ 875 ~ 885MHz	≥100dB @ 790 ~ 840MHz
7	Isolation	≥100dB @ 790 ~ 840MHz , 875 ~ 885MHz	
8	Impedance	50 Ohms	
9	Power	20W Max.	
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	150*120*41mm	
16	Net weight	1.0 KG	

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

