

# WT-B0447-02

## Tri-band Cavity Diplexer

### Technical Data Sheet

S/N	Item	Parameters		
		TX	RX	
1	Center Frequency(F0)	7710MHz	7924.5MHz	8375MHz
2	1.0dB Pass Band Frequency	7660 ~ 7760MHz	7870 ~ 7979MHz	8340 ~ 8410MHz
3	Pass Band Insertion Loss	≤2.0dB	≤2.0dB	≤2.0dB
4	Pass Band Ripple	≤0.8dB	≤0.8dB	≤0.8dB
5	Pass Band VSWR	≤1.3:1	≤1.3:1	≤1.3:1
6	Stop Band Rejection	≥50dB @ DC ~ 7610MHz ≥50dB @ 7810 ~ 12000MHz	≥50dB @ DC ~ 7820MHz ≥50dB @ 8029 ~ 8290MHz ≥50dB @ 8460 ~ 12000MHz	≥50dB @ DC ~ 7820MHz ≥50dB @ 8029 ~ 8290MHz ≥50dB @ 8460 ~ 12000MHz
7	Impedance	50 Ohms		
8	Power	10W Max.		
9	Connectors	SMA-Female		
10	Surface Finish	Painted Black		
11	Port Sign	Port 1: ANT ; Port 2: TX ; Port 3: RX		
12	Temperature Range	-30°C ~ +70°C		
13	Material	Housing: 6061 Aluminum alloy Cover: LY12 Aluminum alloy Tuning screw: H62 Copper alloy	Resonant column: H59 Copper alloy Connectors: H59 Copper, Plated ternary alloy Other screw: Stainless Steel	
14	Dimensions	216*70*18mm		
15	Net weight	0.435 KG		

Outline Drawing: (Dimensions Unit: mm, Dimensions Tolerance: ±0.7mm)

