

# WT-A10207-Q06

## Cavity Band Pass Filter

### Technical Data Sheet

S/N	Item	Parameters (Note: Each frequency is an independent product)		
1	Center Frequency(F0)	2000MHz	1970MHz	1950MHz
2	3.0dB Bandwidth	30MHz [Deviation: $\pm 3.0\text{MHz}$ @ Temperature Range: $+20^{\circ}\text{C} \sim +30^{\circ}\text{C}$ ]		
3	Insertion Loss @ F0	$\leq 1.2\text{dB}$ @ F0		
4	Return Loss	$\geq 23\text{dB}$ @ $F0 \pm 8.0\text{MHz}$		
5	Group Delay	$\leq 50\text{ns}$ @ F0		
6	Stop Band Rejection	$\geq 50\text{dB}$ @ $F0 \pm 35\text{MHz}$ (DC $\sim F0 - 35\text{MHz}$ , $F0 + 35\text{MHz} \sim 6000\text{MHz}$ )		
7	Impedance	50 Ohms		
8	Power Handling	20W Max.		
9	Connectors	SMA-Female		
10	Surface Finish	Painted Black		
11	Temperature Range	$-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$		
12	Material	Housing: 6061 Aluminum alloy    Resonant column: H59 Copper alloy Cover: LY12 Aluminum alloy    Connectors: Stainless Steel Tuning screw: H62 Copper alloy    Other screw: Stainless Steel		
13	Dimensions	100*68*26mm		
14	Net weight	0.256 KG		

Outline Drawing: (Dimensions Unit: mm, Dimensions Tolerance:  $\pm 0.4\text{mm}$ )

