

# WT-A8877-Q09

## Cavity Band Pass Filter

### Technical Data Sheet

S/N	Item	Parameters	
1	Center Frequency(F0)	4970MHz	
2	0.4dB Pass Band Bandwidth	824MHz (4558 ~ 5382MHz)	
3	Pass Band Insertion Loss	$\leq 0.5\text{dB @ } 4970\text{MHz}$ $\leq 0.8\text{dB @ } 4558 \sim 5382\text{MHz}$	
4	Pass Band Ripple	$\leq 0.4\text{dB}$	
5	Pass Band VSWR	$\leq 1.15:1$	
6	Stop Band Rejection	$\geq 55\text{dB @ DC} \sim 4128\text{MHz}$ $\geq 25\text{dB @ } 4128 \sim 4358\text{MHz}$	$\geq 30\text{dB @ } 5582 \sim 5812\text{MHz}$ $\geq 60\text{dB @ } 5812 \sim 17000\text{MHz}$
7	Impedance	50 Ohms	
8	Power Handling	10W CW	
9	Connectors	SMA-Female	
10	Surface Finish	Painted Black	
11	Temperature Range	$-55^{\circ}\text{C} \sim +85^{\circ}\text{C}$	
12	Material	Housing: H62 Copper alloy Cover: H62 Copper alloy Tuning screw: H62 Copper alloy	Connectors: Stainless Steel Other screw: Stainless Steel
13	Dimensions	70*16*12mm	
14	Net weight	0.084 KG	

Outline Drawing: (Dimensions Unit: mm, Dimensions Tolerance:  $\pm 0.3\text{mm}$ )

