

# WT-A7747-Q13

## Cavity Band Pass Filter

### Technical Data Sheet

S/N	Item	Parameters	
1	Center Frequency(F0)	14.125GHz	
2	Pass Band Frequency	13.7 ~ 14.55GHz	
3	Pass Band Insertion Loss	$\leq 0.9\text{dB @ } 14.125\text{GHz}$ $\leq 1.4\text{dB @ } 13.7 \sim 14.55\text{GHz}$	
4	Pass Band Ripple	$\leq 0.7\text{dB}$	
5	Pass Band Return Loss	$\geq 20\text{dB}$	
6	Pass Band Group Delay	$\leq 8.0\text{ns}$	
7	Stop Band Rejection	$\geq 80\text{dB @ DC} \sim 13.3\text{GHz}$ $\geq 30\text{dB @ } 13.3 \sim 13.55\text{GHz}$	$\geq 30\text{dB @ } 14.7 \sim 14.95\text{GHz}$ $\geq 80\text{dB @ } 14.95 \sim 25\text{GHz}$
8	Impedance	50 Ohms	
9	Power Handling	10W Max.	
10	Connectors	SMA-Female	
11	Surface Finish	Painted Black	
12	Temperature Range	$-30^{\circ}\text{C} \sim +70^{\circ}\text{C}$	
13	Material	Housing: H62 Copper alloy Cover: H62 Copper alloy Tuning screw: H62 Copper alloy	Connectors: Stainless Steel Other screw: Stainless Steel
14	Dimensions	100*16*9mm	
15	Net weight	0.094 KG	

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

