

WT-A7953-Q09

Cavity Band Pass Filter

Technical Data Sheet

S/N	Item	Parameters
1	Center Frequency(F0)	10GHz
2	Pass Band Bandwidth	1000MHz (9.5 ~ 10.5GHz)
3	Pass Band Insertion Loss	$\leq 0.6\text{dB @ } 10\text{GHz}$ $\leq 0.75\text{dB @ } 9.5 \sim 10.5\text{GHz}$
4	Pass Band Ripple	$\leq 0.25\text{dB}$
5	Pass Band VSWR	$\leq 1.22:1$
6	Stop Band Attenuation	$\geq 80\text{dB @ DC} \sim 8.3\text{GHz}$ $\geq 80\text{dB @ } 11.6 \sim 31\text{GHz}$
7	Impedance	50 Ohms
8	Power Handling	5W Max.
9	Connectors	SMA-Female
10	Surface Finish	Painted Black
11	Temperature Range	$-30^{\circ}\text{C} \sim +70^{\circ}\text{C}$
12	Material	Housing: H62 Copper alloy Connectors: Stainless Steel Cover: H62 Copper alloy Other screw: Stainless Steel Tuning screw: H62 Copper alloy
13	Dimensions	60*16*9.5mm
14	Net weight	0.064 KG

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

