

WT-A5372-Q12

Cavity Band Pass Filter

Technical Data Sheet

S/N	Item	Parameters
1	Center Frequency(F0)	49.7GHz
2	0.6dB Bandwidth	1100MHz (49.15 ~ 50.25GHz)
3	Pass Band Insertion Loss	$\leq 2.5\text{dB @ } 49.7\text{GHz}$ $\leq 3.0\text{dB @ } 49.15 \sim 50.25\text{GHz}$
4	Pass Band Flatness	$\leq 0.6\text{dB @ peak-peak in the range of } 49.15 \sim 50.25\text{GHz}$
5	Pass Band VSWR	$\leq 1.35:1$ (Input / Output)
6	Pass Band Group Delay	$\leq 2.6\text{ns @ peak-peak in the range of } 49.15 \sim 50.25\text{GHz}$
7	Pass Band Group Delay Ripple	$\leq 0.65\text{ns @ peak-peak in the range of } 49.15 \sim 50.25\text{GHz}$
8	Stop Band Rejection	$\geq 80\text{dB @ } 0.1 \sim 48.2\text{GHz}$ $\geq 50\text{dB @ } 51 \sim 70\text{GHz}$
9	Impedance	50 Ohms
10	Power Handling	5W Max.
11	Connectors	Input: 1.85mm-Male / Output: 1.85mm-Male
12	Surface Finish	Painted Black
13	Temperature Range	$-30^{\circ}\text{C} \sim +70^{\circ}\text{C}$
14	Material	Housing: H62 Copper alloy Connectors: Stainless Steel Cover: H62 Copper alloy Other screw: Stainless Steel Tuning screw: H62 Copper alloy
15	Dimensions	50*14*7.5mm
16	Net weight	0.045 KG

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

