

WT-A5371-Q12

Cavity Band Pass Filter

Technical Data Sheet

S/N	Item	Parameters
1	Center Frequency(F0)	50.9GHz
2	0.6dB Bandwidth	1100MHz (50.35 ~ 51.45GHz)
3	Pass Band Insertion Loss	$\leq 2.5\text{dB}$ @ 50.9GHz $\leq 3.0\text{dB}$ @ 50.35 ~ 51.45GHz
4	Pass Band Flatness	$\leq 0.6\text{dB}$ @ peak-peak in the range of 50.35 ~ 51.45GHz
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 50.35 ~ 51.45GHz
7	Pass Band Group Delay Ripple	$\leq 0.65\text{ns}$ @ peak-peak in the range of 50.35 ~ 51.45GHz
8	Stop Band Rejection	$\geq 80\text{dB}$ @ 0.1 ~ 49.4GHz $\geq 50\text{dB}$ @ 52.2 ~ 70GHz
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°C ~ +70°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: $\pm 0.3\text{mm}$)

