

WT-A5969-Q11

Cavity Band Pass Filter

Technical Data Sheet

S/N	Item	Parameters
1	Center Frequency(F0)	20.7GHz
2	0.33dB Bandwidth	1000MHz (20.2 ~ 21.2GHz)
3	Pass Band Insertion Loss	$\leq 1.1\text{dB @ } 20.7\text{GHz}$ $\leq 1.3\text{dB @ } 20.2 \sim 21.2\text{GHz}$
4	Pass Band Flatness	$\leq 0.33\text{dB @ peak-peak in the range of } 20.2 \sim 21.2\text{GHz}$
5	Pass Band VSWR	$\leq 1.22:1$ (Input / Output)
6	Group Delay	$\leq 2.5\text{ns @ } 20.7\text{GHz}$ $\leq 3.4\text{ns @ } 20.2 \sim 21.2\text{GHz}$
7	Group Delay Variation	$\leq 1.0\text{ns @ peak-peak in the range of } 20.2 \sim 21.2\text{GHz}$
8	Stop Band Rejection	$\geq 90\text{dB @ } 0.1 \sim 19.25\text{GHz}$ $\geq 80\text{dB @ } 22 \sim 40\text{GHz}$
9	Impedance	50 Ohms
10	Power Handling	5W Max.
11	Connectors	Input: SMA-Male / Output: SMA-Female
12	Surface Finish	Painted Black
13	Temperature Range	$-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$
14	Material	Housing: H62 Copper alloy Connectors: Stainless Steel Cover: H62 Copper alloy Other screw: Stainless Steel Tuning screw: H62 Copper alloy
15	Dimensions	70*16*9mm
16	Net weight	0.07KG

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

