

WT-A6959-Q11

Cavity Band Pass Filter

Technical Data Sheet

S/N	Item	Parameters
1	Center Frequency(F0)	44.5GHz
2	0.5dB Bandwidth	2100MHz (43.45 ~ 45.55GHz)
3	Pass Band Insertion Loss	≤1.7dB @ 44.5GHz ≤2.0dB @ 43.45 ~ 45.55GHz
4	Pass Band Flatness	≤0.5dB @ peak-peak in the range of 43.45 ~ 45.55GHz
5	Pass Band VSWR	≤1.3:1 (Input / Output)
6	Pass Band Group Delay	≤1.9ns @ peak-peak in the range of 43.45 ~ 45.55GHz
7	Group Delay Variation	≤0.1ns @ peak-peak within any 25MHz segment , in the range of 43.45 ~ 45.55GHz ≤0.25ns @ peak-peak within any 100MHz segment , in the range of 43.45 ~ 45.55GHz ≤0.6ns @ peak-peak in the range of 43.45 ~ 45.55GHz
8	Stop Band Rejection	≥80dB @ 0.1 ~ 42GHz ≥70dB @ 47 ~ 60GHz
9	Impedance	50 Ohms
10	Power Handling	5W Max.
11	Connectors	Input: 2.4mm-Male / Output: 2.4mm-Male
12	Surface Finish	Painted Black
13	Temperature Range	-40°C ~ +85°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*16*8mm
16	Net weight	0.055 KG

Outline Drawing: (Dimensions Unit: mm, Dimensions Tolerance: ±0.3mm)

