

# WT-A9721-Q11

## Cavity Band Pass Filter

### Technical Data Sheet

S/N	Item	Parameters
1	Center Frequency(F0)	8950MHz
2	Pass Band Frequency	8700 ~ 9200MHz
3	Pass Band Insertion Loss	≤1.5dB
4	Pass Band Ripple	≤0.5dB @ peak-peak within any 100MHz interval , in the range of 8700 ~ 9200MHz ≤0.6dB @ peak-peak in the range of 8700 ~ 9200MHz
5	Pass Band Return Loss	≥18dB
6	Pass Band Group Delay	≤10ns
7	Stop Band Rejection	≥80dB @ DC ~ 8300MHz ≥60dB @ 8300 ~ 8450MHz ≥60dB @ 9450 ~ 9600MHz ≥80dB @ 9600 ~ 24000MHz
8	Phase consistency	≤±8.0° (Non-identical phase between filters in a batch at the same frequencies in Pass Band) <span style="color: red;">[note: Every 10 filters are tested as a group]</span>
9	Group Delay consistency	≤0.5ns (Non-identical group delay between filters in a batch at the same frequencies in Pass Band) <span style="color: red;">[note: Every 10 filters are tested as a group]</span>
10	Impedance	50 Ohms
11	Power Handling	5.0W Max.
12	Connectors	SMA-Male
13	Surface Finish	Painted Black
14	Temperature Range	-50°C ~ +75°C
15	Material	Housing: H62 Copper alloy Cover: H62 Copper alloy Tuning screw: H62 Copper alloy Connectors: Stainless Steel Other screw: Stainless Steel
16	Dimensions	90*16*9mm
17	Net weight	0.09 KG

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

