

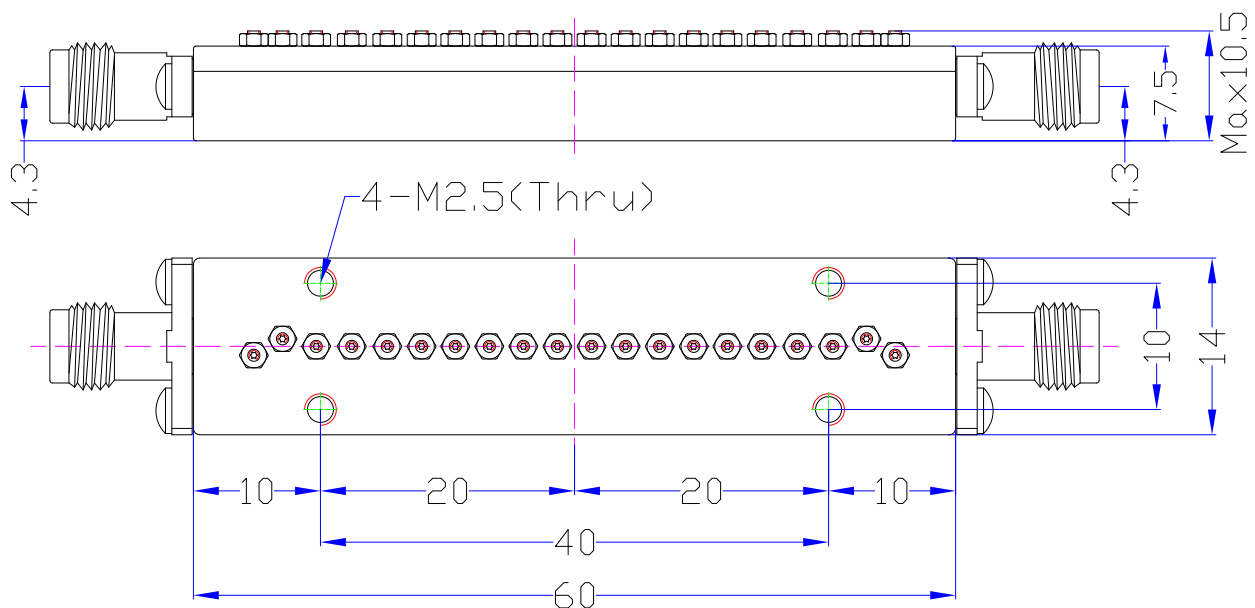
# WT-A10974-S20

## Comb Band Pass Filter

### Technical Data Sheet

S/N	Item	Parameters
1	Center Frequency(F0)	46.5GHz
2	Pass Band Frequency	40 ~ 53GHz **
3	Pass Band Insertion Loss	≤1.35dB
4	Pass Band Ripple	≤0.6dB
5	Pass Band Return Loss	≥16dB (Typical: ≥18dB)
6	Stop Band Rejection	≥80dB @ DC ~ 38.1GHz ≥55dB @ 55 ~ 56.3GHz ≥80dB @ 56.3 ~ 67GHz ≥40dB @ 67 ~ 68GHz
7	Impedance	50 Ohms
8	Power Handling	5W Max.
9	Connectors	1.85mm(V)-Female
10	Surface Finish	Painted Black
11	Temperature Range	-30°C ~ +70°C
12	Material	Housing: H62 Copper alloy      Connectors: Stainless Steel Cover: H62 Copper alloy        Other screw: Stainless Steel Tuning screw: H62 Copper alloy
13	Dimensions	60*14*7.5mm
14	Net weight	0.049 KG

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



\*\* The actual design bandwidth will be greater than the Pass Band Frequency, and there is no bandwidth limit.