

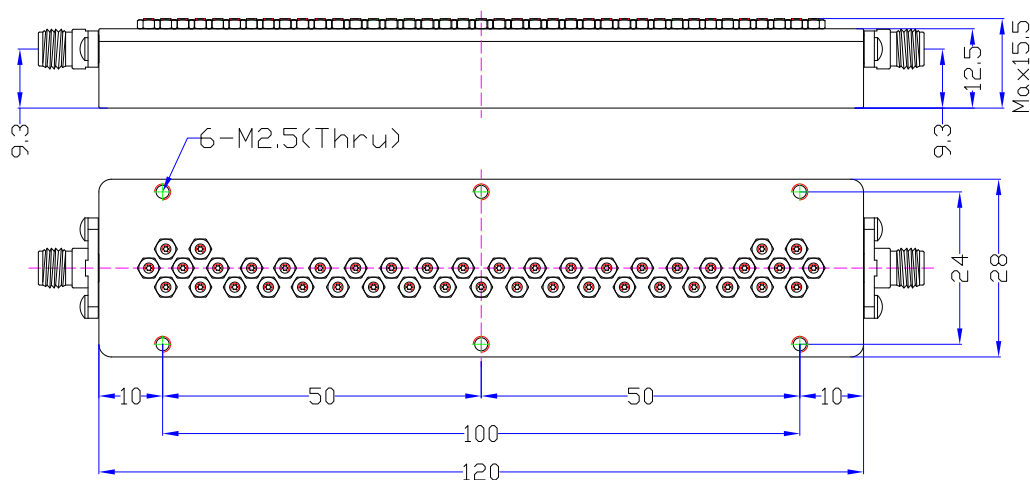
# WT-A10815-S20

## Comb Band Pass Filter

### Technical Data Sheet

| S/N | Item                     | Parameters  |
|-----|--------------------------|---|
| 1   | Center Frequency(F0)     | 7750MHz   |
| 2   | Pass Band Frequency      | 5000 ~ 10500MHz **  |
| 3   | Pass Band Insertion Loss | ≤0.8dB  |
| 4   | Pass Band Ripple         | ≤0.55dB   |
| 5   | Pass Band Return Loss    | ≥18dB   |
| 6   | Group Delay              | ≤4.1ns @ 5000 ~ 10500MHz<br>≤1.3ns @ 7750MHz  |
| 7   | Group Delay Variation    | ≤3.1ns @ peak-peak in the range of 5000 ~ 10500MHz  |
| 8   | Stop Band Rejection      | ≥80dB @ DC ~ 3300MHz      ≥40dB @ 10800 ~ 11000MHz<br>≥40dB @ 3300 ~ 4350MHz      ≥80dB @ 11000 ~ 14000MHz<br>≥30dB @ 4350 ~ 4500MHz                      |
| 9   | Impedance                | 50 Ohms   |
| 10  | Power Handling           | 5.0W Max.   |
| 11  | Connectors               | SMA-Female  |
| 12  | Surface Finish           | Painted Black   |
| 13  | Temperature Range        | -30°C ~ +70°C   |
| 14  | Material                 | Housing: H62 Copper alloy      Connectors: Stainless Steel<br>Cover: H62 Copper alloy      Other screw: Stainless Steel<br>Tuning screw: H62 Copper alloy |
| 15  | Dimensions               | 120*28*12.5mm   |
| 16  | Net weight               | 0.209 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.