

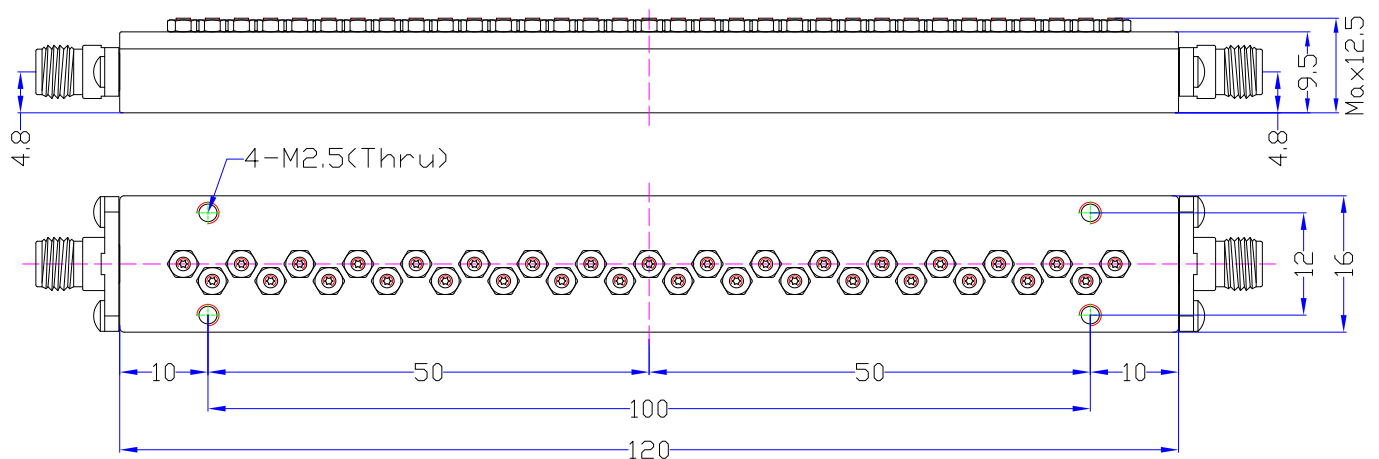
WT-A10125-Q17

Cavity Band Pass Filter

Technical Data Sheet

| S/N | Item | Parameters | | | | | | |
|--------------------------------|------------------------------|--|---------------------------|-----------------------------|-------------------------|------------------------------|--------------------------------|--|
| 1 | Center Frequency(F0) | 9500MHz | | | | | | |
| 2 | Pass Band Frequency | 9000 ~ 10000MHz ** | | | | | | |
| 3 | Pass Band Insertion Loss | ≤2.5dB | | | | | | |
| 4 | Pass Band Ripple | ≤1.8dB | | | | | | |
| 5 | Pass Band Return Loss | ≥20dB | | | | | | |
| 6 | Stop Band Attenuation | <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">≥80dB @ DC ~ 8770MHz</td> <td style="width: 50%;">≥15dB @ 10050 ~ 10230MHz</td> </tr> <tr> <td>≥15dB @ 8770 ~ 8950MHz</td> <td>≥80dB @ 10230 ~ 25000MHz</td> </tr> </table> | ≥80dB @ DC ~ 8770MHz | ≥15dB @ 10050 ~ 10230MHz | ≥15dB @ 8770 ~ 8950MHz | ≥80dB @ 10230 ~ 25000MHz | | |
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| ≥15dB @ 8770 ~ 8950MHz | ≥80dB @ 10230 ~ 25000MHz | | | | | | | |
| 7 | Impedance | 50 Ohms | | | | | | |
| 8 | Power Handling | 5.0W Max. | | | | | | |
| 9 | Connectors | SMA-Female | | | | | | |
| 10 | Surface Finish | Painted Black | | | | | | |
| 11 | Temperature Range | +10°C ~ +30°C | | | | | | |
| 12 | Material | <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">Housing: H62 Copper alloy</td> <td style="width: 50%;">Connectors: Stainless Steel</td> </tr> <tr> <td>Cover: H62 Copper alloy</td> <td>Other screw: Stainless Steel</td> </tr> <tr> <td colspan="2">Tuning screw: H62 Copper alloy</td> </tr> </table> | Housing: H62 Copper alloy | Connectors: Stainless Steel | Cover: H62 Copper alloy | Other screw: Stainless Steel | Tuning screw: H62 Copper alloy | |
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| Cover: H62 Copper alloy | Other screw: Stainless Steel | | | | | | | |
| Tuning screw: H62 Copper alloy | | | | | | | | |
| 13 | Dimensions | 120*16*9.5mm | | | | | | |
| 14 | Net weight | 0.122 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.