

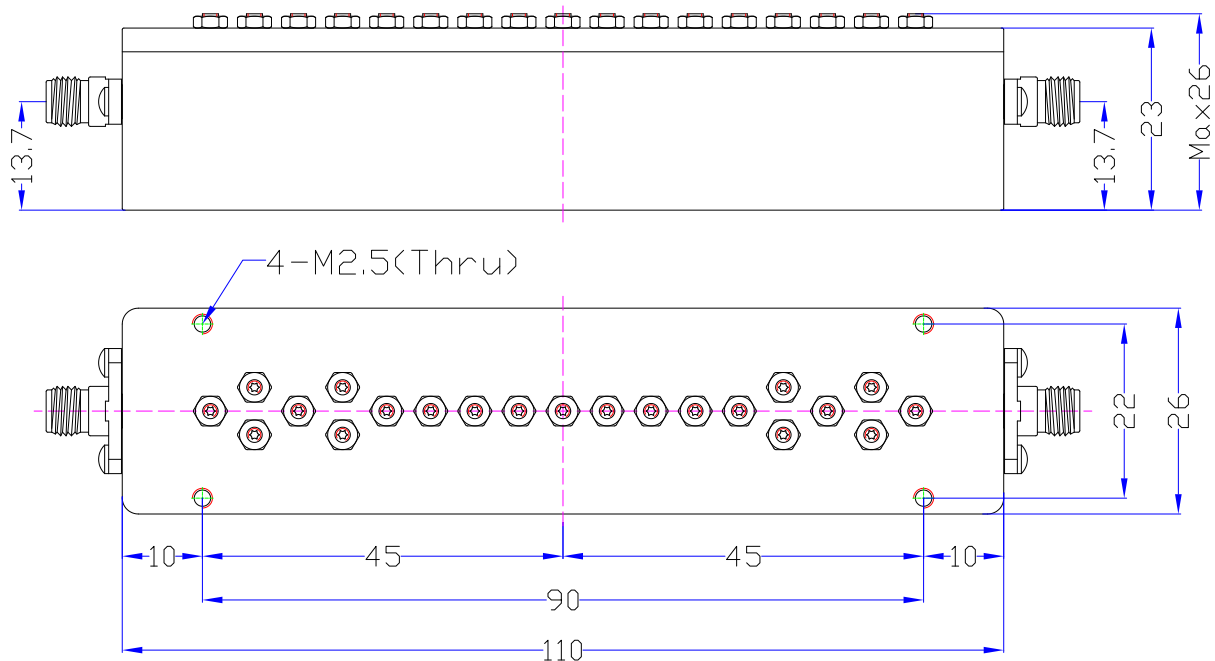
WT-A9932-Q09

Cavity Band Pass Filter

Technical Data Sheet

| S/N | Item | Parameters | | | | | | |
|--------------------------------|-----------------------------------|---|------------------------------|-----------------------------------|----------------------------|-----------------------------|--------------------------------|------------------------------|
| 1 | Center Frequency(F0) | 1950MHz | | | | | | |
| 2 | Pass Band Frequency | 1700 ~ 2200MHz ** | | | | | | |
| 3 | Pass Band Insertion Loss | ≤0.6dB | | | | | | |
| 4 | Pass Band Ripple | ≤0.25dB | | | | | | |
| 5 | Pass Band Return Loss | ≥20dB | | | | | | |
| 6 | Stop Band Rejection | <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">≥80dB @ DC ~ 1100MHz</td> <td style="width: 50%;">≥75dB @ 2500 ~ 2550MHz</td> </tr> <tr> <td>≥75dB @ 1100 ~ 1200MHz</td> <td>≥80dB @ 2550 ~ 8000MHz</td> </tr> </table> | ≥80dB @ DC ~ 1100MHz | ≥75dB @ 2500 ~ 2550MHz | ≥75dB @ 1100 ~ 1200MHz | ≥80dB @ 2550 ~ 8000MHz | | |
| ≥80dB @ DC ~ 1100MHz | ≥75dB @ 2500 ~ 2550MHz | | | | | | | |
| ≥75dB @ 1100 ~ 1200MHz | ≥80dB @ 2550 ~ 8000MHz | | | | | | | |
| 7 | Impedance | 50 Ohms | | | | | | |
| 8 | Power Handling | 20W Max. | | | | | | |
| 9 | Connectors | SMA-Female | | | | | | |
| 10 | Surface Finish | Painted Black | | | | | | |
| 11 | Temperature Range | -30°C ~ +70°C | | | | | | |
| 12 | Material | <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">Housing: 6061 Aluminum alloy</td> <td style="width: 50%;">Resonant column: H59 Copper alloy</td> </tr> <tr> <td>Cover: LY12 Aluminum alloy</td> <td>Connectors: Stainless Steel</td> </tr> <tr> <td>Tuning screw: H62 Copper alloy</td> <td>Other screw: Stainless Steel</td> </tr> </table> | Housing: 6061 Aluminum alloy | Resonant column: H59 Copper alloy | Cover: LY12 Aluminum alloy | Connectors: Stainless Steel | Tuning screw: H62 Copper alloy | Other screw: Stainless Steel |
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| Cover: LY12 Aluminum alloy | Connectors: Stainless Steel | | | | | | | |
| Tuning screw: H62 Copper alloy | Other screw: Stainless Steel | | | | | | | |
| 13 | Dimensions | 110*26*23mm | | | | | | |
| 14 | Net weight | 0.124 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.