

WT-A8872-Q05

Cavity Band Pass Filter

Technical Data Sheet

| S/N | Item | Parameters | | | | | | |
|--------------------------------|------------------------------|--|---------------------------|-----------------------------|--------------------------|------------------------------|--------------------------------|--|
| 1 | Center Frequency(F0) | 24.15GHz | | | | | | |
| 2 | Pass Band Frequency | 24.05 ~ 24.25GHz | | | | | | |
| 3 | Pass Band Insertion Loss | ≤0.9dB | | | | | | |
| 4 | Pass Band Ripple | ≤0.1dB | | | | | | |
| 5 | Pass Band Return Loss | ≥23dB | | | | | | |
| 6 | Stop Band Rejection | <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">≥80dB @ DC ~ 21.65GHz</td> <td style="width: 50%;">≥45dB @ 25.15 ~ 26.95GHz</td> </tr> <tr> <td>≥45dB @ 21.65 ~ 23.15GHz</td> <td>≥80dB @ 26.95 ~ 45GHz</td> </tr> </table> | ≥80dB @ DC ~ 21.65GHz | ≥45dB @ 25.15 ~ 26.95GHz | ≥45dB @ 21.65 ~ 23.15GHz | ≥80dB @ 26.95 ~ 45GHz | | |
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| ≥45dB @ 21.65 ~ 23.15GHz | ≥80dB @ 26.95 ~ 45GHz | | | | | | | |
| 7 | Impedance | 50 Ohms | | | | | | |
| 8 | Power Handling | 5.0W 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: 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 | 40*16*8mm | | | | | | |
| 14 | Net weight | 0.04 KG | | | | | | |

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

