

WT-A8670-S15

Comb Band Pass Filter

Technical Data Sheet

| S/N | Item | Parameters | | | | | | |
|--------------------------------|------------------------------|--|---------------------------|-----------------------------|--------------------------|------------------------------|--------------------------------|--------------------------|
| 1 | Center Frequency(F0) | 49750MHz | | | | | | |
| 2 | Pass Band Frequency | 46500 ~ 53000MHz | | | | | | |
| 3 | Pass Band Insertion Loss | ≤1.5dB | | | | | | |
| 4 | Pass Band Ripple | ≤0.55dB | | | | | | |
| 5 | Pass Band Return Loss | ≥17dB (Typical: ≥18dB) | | | | | | |
| 6 | Stop Band Rejection | <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">≥80dB @ DC ~ 44250MHz</td> <td style="width: 50%;">≥18dB @ 54000 ~ 55250MHz</td> </tr> <tr> <td>≥25dB @ 44250 ~ 45500MHz</td> <td>≥60dB @ 55250 ~ 56250MHz</td> </tr> <tr> <td></td> <td>≥80dB @ 56250 ~ 70000MHz</td> </tr> </table> | ≥80dB @ DC ~ 44250MHz | ≥18dB @ 54000 ~ 55250MHz | ≥25dB @ 44250 ~ 45500MHz | ≥60dB @ 55250 ~ 56250MHz | | ≥80dB @ 56250 ~ 70000MHz |
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| 7 | Impedance | 50 Ohms | | | | | | |
| 8 | Power Handling | 5W Max. | | | | | | |
| 9 | Connectors | 2.4mm(Q)-Male / 2.4mm(Q)-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>Tuning screw: H62 Copper alloy</td> <td></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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| Tuning screw: H62 Copper alloy | | | | | | | | |
| 13 | Dimensions | 50*14*7.5mm | | | | | | |
| 14 | Net weight | 0.042 KG | | | | | | |

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

