

WT-A8431-Q08

Cavity Band Pass Filter

Technical Data Sheet

| S/N | Item | Parameters | | | | | | |
|--------------------------------|--|--|------------------------------|-----------------------------------|----------------------------|--|--------------------------------|------------------------------|
| 1 | Center Frequency(F0) | 5787.5MHz | | | | | | |
| 2 | Pass Band Bandwidth | 127MHz (5724 ~ 5851MHz) | | | | | | |
| 3 | Pass Band Insertion Loss | ≤1.5dB | | | | | | |
| 4 | Pass Band Ripple | ≤0.5dB | | | | | | |
| 5 | Pass Band Return Loss | ≥18dB [Typical: ≥20dB] | | | | | | |
| 6 | Stop Band Attenuation | <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">≥42dB @ DC ~ 5655MHz</td> <td style="width: 50%;">≥40dB @ 5914 ~ 5920MHz</td> </tr> <tr> <td>≥25dB @ 5655 ~ 5680MHz</td> <td>≥42dB @ 5920 ~ 10000MHz</td> </tr> </table> | ≥42dB @ DC ~ 5655MHz | ≥40dB @ 5914 ~ 5920MHz | ≥25dB @ 5655 ~ 5680MHz | ≥42dB @ 5920 ~ 10000MHz | | |
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| ≥25dB @ 5655 ~ 5680MHz | ≥42dB @ 5920 ~ 10000MHz | | | | | | | |
| 7 | Impedance | 50 Ohms | | | | | | |
| 8 | Power | 10W Max. | | | | | | |
| 9 | Connectors | N-Male / N-Female | | | | | | |
| 10 | Surface Finish | Painted Black | | | | | | |
| 11 | Temperature Range | -30°C ~ +70°C | | | | | | |
| 12 | Waterproof | IP67 | | | | | | |
| 13 | 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: H59 Copper, Plated ternary alloy</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: H59 Copper, Plated ternary alloy | Tuning screw: H62 Copper alloy | Other screw: Stainless Steel |
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| Tuning screw: H62 Copper alloy | Other screw: Stainless Steel | | | | | | | |
| 14 | Dimensions | 156*88*35mm | | | | | | |
| 15 | Net weight | 0.954 KG | | | | | | |

Outline Drawing: (Dimensions Unit: mm, Dimensions Tolerance: ±0.5mm)

