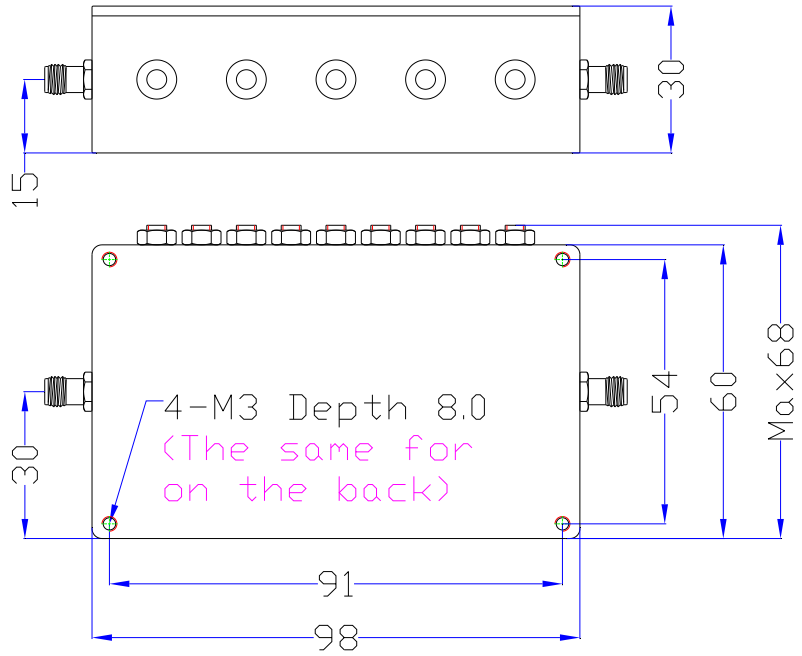
# WT-A7318-Q05

# Cavity Band Pass Filter

# Technical Data Sheet

| S/N | Item | Parameters | |
|---|---|---|---|
| 1 | Center Frequency(F0) | 714MHz | |
| 2 | Pass Band Frequency | 693 ~ 735MHz | |
| 3 | Pass Band Insertion Loss | ≤0.5dB | |
| 4 | Pass Band Ripple | ≤0.1dB | |
| 5 | Pass Band VSWR | ≤1.22:1 | |
| 6 | Pass Band Group Delay | ≤15ns | |
| 7 | Stop Band Rejection | ≥70dB @ DC ~ 238MHz<br>≥50dB @ 238 ~ 476MHz | ≥50dB @ 952 ~ 1190MHz<br>≥60dB @ 1190 ~ 2500MHz |
| 8 | Impedance | 50 Ohms | |
| 9 | Power Handling | 10W Max. | |
| 10 | Connectors | SMA-Female | |
| 11 | Surface Finish | Painted Black | |
| 12 | Temperature Range | -30℃ ~ +70℃ | |
| 13 | Material | Housing: 6061 Aluminum alloy<br>Cover: LY12 Aluminum alloy<br>Tuning screw: H62 Copper alloy | Resonant column: H59 Copper alloy<br>Connectors: H59 Copper, Plated ternary alloy<br>Other screw: Stainless Steel |
| 14 | Dimensions | 98*60*30mm | |
| 15 | Net weight | 0.24 KG | |

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