

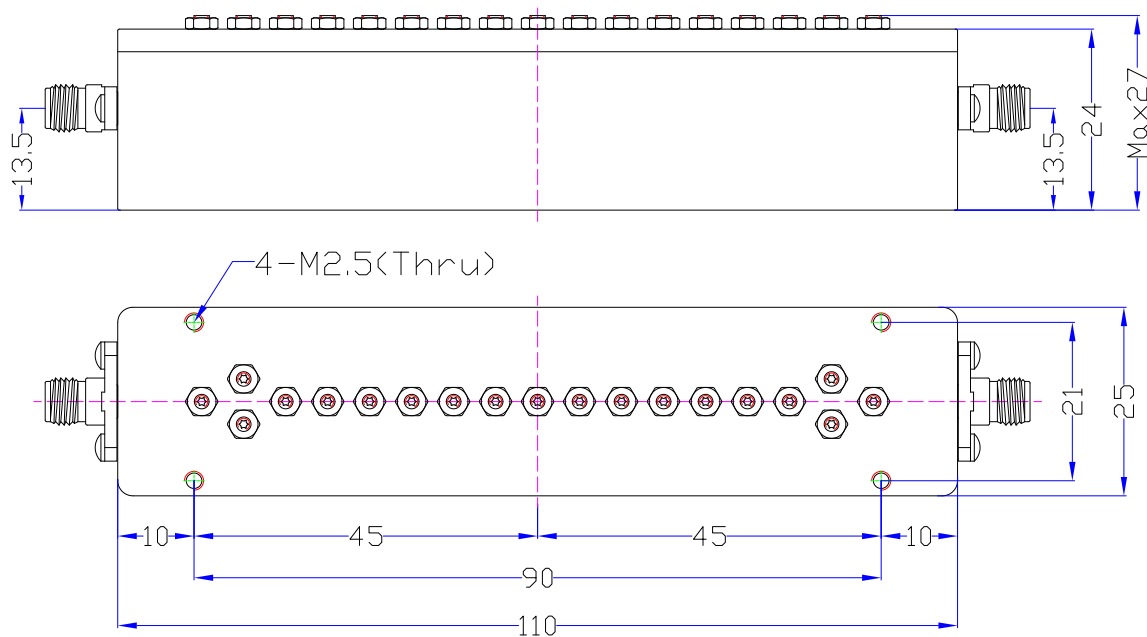
# WT-A9928-Q09

## Cavity Band Pass Filter

### Technical Data Sheet

S/N	Item	Parameters						
1	Center Frequency(F0)	1800MHz						
2	Pass Band Bandwidth	300MHz (1650 ~ 1950MHz) **						
3	Pass Band Insertion Loss	≤0.75dB						
4	Pass Band Ripple	≤0.3dB						
5	Pass Band Return Loss	≥23dB						
6	Stop Band Rejection	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">≥80dB @ DC ~ 1280MHz</td> <td style="width: 50%;">≥50dB @ 2100 ~ 2200MHz</td> </tr> <tr> <td>≥40dB @ 1280 ~ 1500MHz</td> <td>≥80dB @ 2200 ~ 8000MHz</td> </tr> </table>	≥80dB @ DC ~ 1280MHz	≥50dB @ 2100 ~ 2200MHz	≥40dB @ 1280 ~ 1500MHz	≥80dB @ 2200 ~ 8000MHz		
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≥40dB @ 1280 ~ 1500MHz	≥80dB @ 2200 ~ 8000MHz							
7	Impedance	50 Ohms						
8	Power Handling	10W 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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13	Dimensions	110*25*24mm						
14	Net weight	0.122 KG						

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



\*\* The actual design bandwidth will be greater than the Pass Band Bandwidth, and there is no bandwidth limit.