

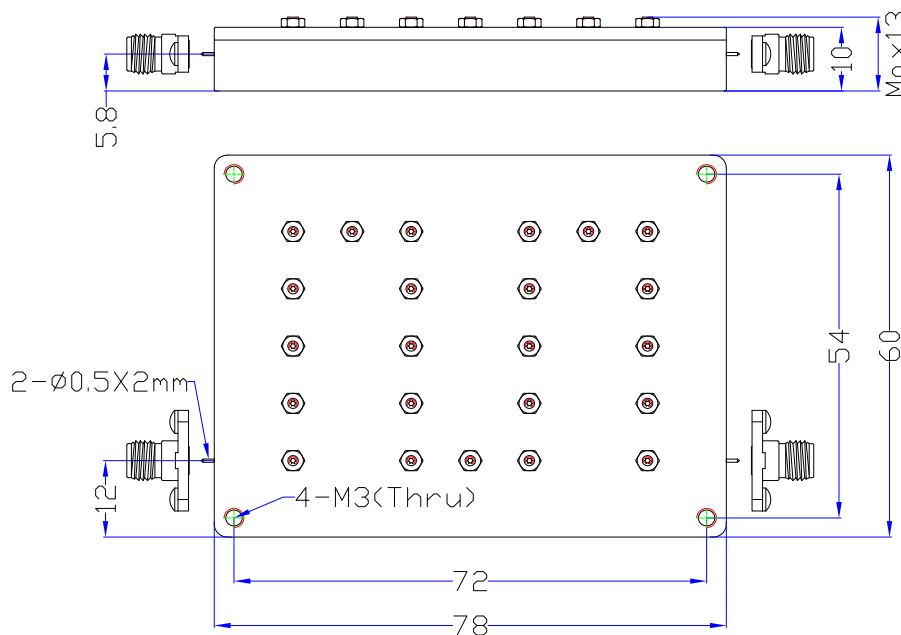
# WT-A9985-Q12

## Cavity Band Pass Filter

### Technical Data Sheet

S/N	Item	Parameters						
1	Center Frequency(F0)	9450MHz						
2	0.5dB Pass Band Bandwidth	500MHz (9200 ~ 9700MHz) **						
3	Pass Band Insertion Loss	≤1.0dB						
4	Pass Band Ripple	≤0.5dB						
5	Pass Band Return Loss	≥20dB						
6	Stop Band Attenuation	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td>≥70dB @ DC ~ 9000MHz</td> <td>≥30dB @ 9800 ~ 9900MHz</td> </tr> <tr> <td>≥30dB @ 9000 ~ 9100MHz</td> <td>≥70dB @ 9900 ~ 19000MHz</td> </tr> </table>	≥70dB @ DC ~ 9000MHz	≥30dB @ 9800 ~ 9900MHz	≥30dB @ 9000 ~ 9100MHz	≥70dB @ 9900 ~ 19000MHz		
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7	Impedance	50 Ohms						
8	Power Handling	5.0W Max.						
9	Connectors	ø0.5*2.0mm PIN (SMA-Female Removable)						
10	Surface Finish	The Original Silver Color						
11	Temperature Range	-40°C ~ +85°C						
12	Material	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td>Housing: H62 Copper alloy</td> <td>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	78*60*10mm						
14	Net weight	0.25 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.