

# WT-A9204-S15

## Comb Band Pass Filter

### Technical Data Sheet

S/N	Item	Parameters						
1	Center Frequency(F0)	49.8GHz						
2	Pass Band Frequency	47 ~ 52.6GHz						
3	Pass Band Insertion Loss	≤1.4dB						
4	Pass Band Ripple	≤0.35dB (Typical: ≤0.3dB)						
5	Pass Band Return Loss	≥17dB (Input / Output) [Typical: ≥18dB]						
6	Stop Band Rejection	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">≥90dB @ DC ~ 43.8GHz</td> <td style="width: 50%;">≥40dB @ 54.6 ~ 56.25GHz</td> </tr> <tr> <td>≥55dB @ 43.8 ~ 45GHz</td> <td>≥80dB @ 56.25 ~ 70GHz</td> </tr> </table>	≥90dB @ DC ~ 43.8GHz	≥40dB @ 54.6 ~ 56.25GHz	≥55dB @ 43.8 ~ 45GHz	≥80dB @ 56.25 ~ 70GHz		
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7	Impedance	50 Ohms						
8	Power Handling	5W Max.						
9	Connectors	Input: 1.85mm(V)-Male / Output: 1.85mm(V)-Male						
10	Surface Finish	Painted Black						
11	Temperature Range	-40°C ~ +85°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 colspan="2">Tuning screw: H62 Copper alloy</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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Cover: H62 Copper alloy	Other screw: Stainless Steel							
Tuning screw: H62 Copper alloy								
13	Dimensions	50*14*7.5mm						
14	Net weight	0.043 KG						

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

