

# WT-A9212-Q06

## Cavity Band Pass Filter

### Technical Data Sheet

S/N	Item	Parameters						
1	Center Frequency(F0)	30.45GHz						
2	Pass Band Frequency	30.3 ~ 30.6GHz						
3	Pass Band Insertion Loss	≤1.0dB						
4	Pass Band Ripple	≤0.16dB						
5	Pass Band Return Loss	≥20dB						
6	Stop Band Rejection	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">≥80dB @ DC ~ 29.25GHz</td> <td style="width: 50%;">≥20dB @ 30.9 ~ 31.95GHz</td> </tr> <tr> <td>≥20dB @ 29.25 ~ 30GHz</td> <td>≥80dB @ 31.95 ~ 38GHz</td> </tr> </table>	≥80dB @ DC ~ 29.25GHz	≥20dB @ 30.9 ~ 31.95GHz	≥20dB @ 29.25 ~ 30GHz	≥80dB @ 31.95 ~ 38GHz		
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7	Impedance	50 Ohms						
8	Power Handling	5W Max.						
9	Connectors	2.92mm(K)-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: 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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Tuning screw: H62 Copper alloy								
13	Dimensions	60*16*9mm						
14	Net weight	0.064 KG						

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

