

# WT-A8812-Q20

## Cavity Band Pass Filter

### Technical Data Sheet

S/N	Item	Parameters						
1	Center Frequency(F0)	11.3GHz						
2	Pass Band Bandwidth	2.1GHz (10.25 ~ 12.35GHz)						
3	Pass Band Insertion Loss	≤1.5dB						
4	Pass Band Ripple	≤0.9dB						
5	Pass Band Return Loss	≥20dB						
6	Stop Band Rejection	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">≥80dB @ DC ~ 9.87GHz</td> <td style="width: 50%;">≥50dB @ 12.55 ~ 12.73GHz</td> </tr> <tr> <td>≥50dB @ 9.87 ~ 10.05GHz</td> <td>≥80dB @ 12.73 ~ 26GHz</td> </tr> </table>	≥80dB @ DC ~ 9.87GHz	≥50dB @ 12.55 ~ 12.73GHz	≥50dB @ 9.87 ~ 10.05GHz	≥80dB @ 12.73 ~ 26GHz		
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7	Impedance	50 Ohms						
8	Power Handling	5.0W 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: 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	120*16*10mm						
14	Net weight	0.128 KG						

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

