

# WT-A6642-Q17

## Cavity Band Pass Filter

### Technical Data Sheet

S/N	Item	Parameters						
1	Center Frequency(F0)	3750MHz						
2	Pass Band Bandwidth	500MHz (3500 ~ 4000MHz)						
3	Pass Band Insertion Loss	≤1.2dB						
4	Pass Band Ripple	≤0.7dB						
5	Pass Band VSWR	≤1.22:1						
6	Stop Band Rejection	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">≥70dB @ DC ~ 3400MHz</td> <td style="width: 50%;">≥35dB @ 4050 ~ 4100MHz</td> </tr> <tr> <td>≥35dB @ 3400 ~ 3450MHz</td> <td>≥80dB @ 4100 ~ 11000MHz</td> </tr> </table>	≥70dB @ DC ~ 3400MHz	≥35dB @ 4050 ~ 4100MHz	≥35dB @ 3400 ~ 3450MHz	≥80dB @ 4100 ~ 11000MHz		
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7	Impedance	50 Ohms						
8	Power Handling	5W 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%;">Connectors: H59 Copper, Plated ternary alloy</td> </tr> <tr> <td>Cover: LY12 Aluminum alloy</td> <td>Other screw: Stainless Steel</td> </tr> <tr> <td colspan="2">Tuning screw: H62 Copper alloy</td> </tr> </table>	Housing: 6061 Aluminum alloy	Connectors: H59 Copper, Plated ternary alloy	Cover: LY12 Aluminum alloy	Other screw: Stainless Steel	Tuning screw: H62 Copper alloy	
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Cover: LY12 Aluminum alloy	Other screw: Stainless Steel							
Tuning screw: H62 Copper alloy								
13	Dimensions	170*21*18mm						
14	Net weight	0.13 KG						

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

