

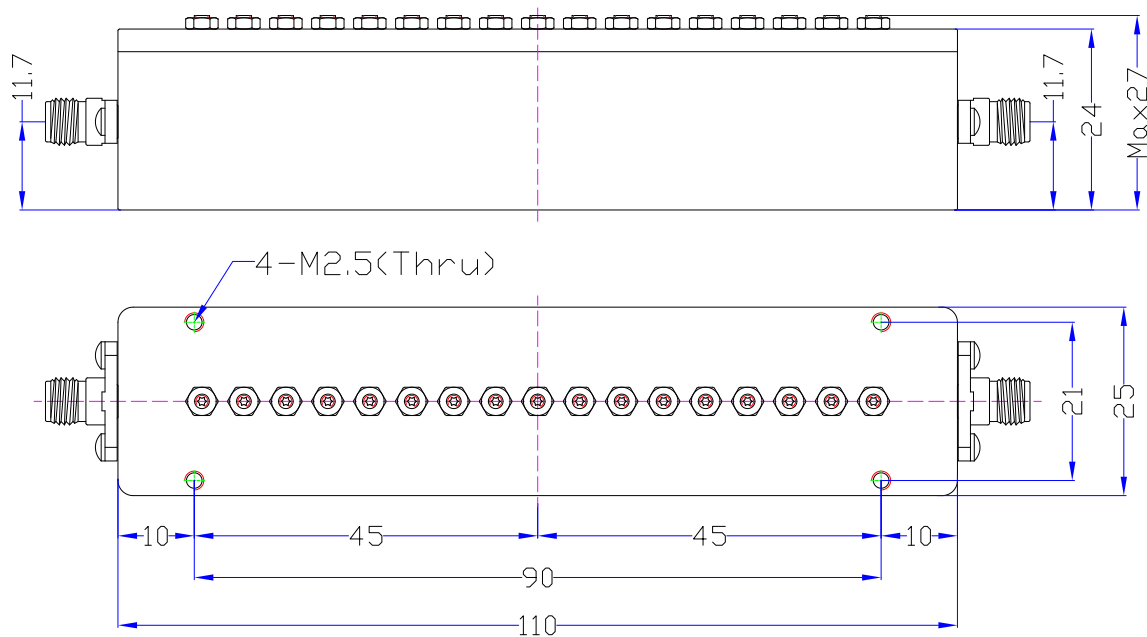
WT-A9917-Q09

Cavity Band Pass Filter

Technical Data Sheet

S/N	Item	Parameters						
1	Center Frequency(F0)	1810MHz						
2	Pass Band Frequency	1710 ~ 1910MHz **						
3	Pass Band Insertion Loss	≤1.0dB						
4	Pass Band Ripple	≤0.3dB						
5	Pass Band Return Loss	≥23dB						
6	Stop Band Rejection	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">≥80dB @ DC ~ 1480MHz</td> <td style="width: 50%;">≥70dB @ 2060 ~ 2090MHz</td> </tr> <tr> <td>≥60dB @ 1480 ~ 1560MHz</td> <td>≥80dB @ 2090 ~ 7500MHz</td> </tr> </table>	≥80dB @ DC ~ 1480MHz	≥70dB @ 2060 ~ 2090MHz	≥60dB @ 1480 ~ 1560MHz	≥80dB @ 2090 ~ 7500MHz		
≥80dB @ DC ~ 1480MHz	≥70dB @ 2060 ~ 2090MHz							
≥60dB @ 1480 ~ 1560MHz	≥80dB @ 2090 ~ 7500MHz							
7	Impedance	50 Ohms						
8	Power Handling	10W 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%;">Resonant column: H59 Copper alloy</td> </tr> <tr> <td>Cover: LY12 Aluminum alloy</td> <td>Connectors: Stainless Steel</td> </tr> <tr> <td>Tuning screw: H62 Copper alloy</td> <td>Other screw: Stainless Steel</td> </tr> </table>	Housing: 6061 Aluminum alloy	Resonant column: H59 Copper alloy	Cover: LY12 Aluminum alloy	Connectors: Stainless Steel	Tuning screw: H62 Copper alloy	Other screw: Stainless Steel
Housing: 6061 Aluminum alloy	Resonant column: H59 Copper alloy							
Cover: LY12 Aluminum alloy	Connectors: Stainless Steel							
Tuning screw: H62 Copper alloy	Other screw: Stainless Steel							
13	Dimensions	110*25*24mm						
14	Net weight	0.122 KG						

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



** The actual design bandwidth will be greater than the Pass Band Frequency, and there is no bandwidth limit.