

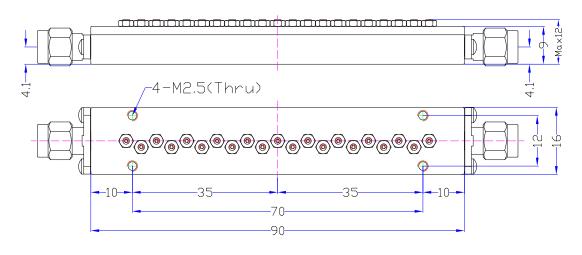
WT-A9722-Q11

Cavity Band Pass Filter

Technical Data Sheet

S/N	Item	Parameters	
1	Center Frequency(F0)	8450MHz	
2	Pass Band Frequency	8200 ~ 8700MHz	
3	Pass Band Insertion Loss	≤1.5dB	
4	Pass Band Ripple	\leq 0.5dB @ peak-peak within any 100MHz interval , in the range of 8200 ~ 8700MHz	
		\leq 0.6dB @ peak-peak in the range of 8200 ~ 8700MHz	
5	Pass Band Return Loss	≥18dB	
6	Pass Band Group Delay	≤10ns	
7	Stop Band Rejection	≥80dB @ DC ~ 7800MHz	≥60dB @ 8950 ~ 9100MHz
		≥60dB @ 7800 ~ 7950MHz	≥80dB @ 9100 ~ 24000MHz
8	Phase consistency	$\leq \pm 8.0^{\circ}$ (Non-identical phase between filters in a batch at the same frequencies in	
		Pass Band) [note: Every 10 filters are tested as a group]	
9	Group Delay consistency	\leq 0.5ns (Non-identical group delay between filters in a batch at the same frequencies	
		in Pass Band) [note: Every 10 filters are tested as a group]	
10	Impedance	50 Ohms	
11	Power Handling	5.0W Max.	
12	Connectors	SMA-Male	
13	Surface Finish	Painted Black	
14	Temperature Range	$-50^{\circ}C \sim +75^{\circ}C$	
15	Material	Housing: H62 Copper alloy	Connectors: Stainless Steel
		Cover: H62 Copper alloy	Other screw: Stainless Steel
		Tuning screw: H62 Copper alloy	
16	Dimensions	90*16*9mm	
17	Net weight	0.09 KG	

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



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