



Band Pass Filter

Design	Chebyshev filter
Center Freq.	8.89 GHz
Freq. Range	7.9 - 9.88 GHz
P / N	BPF07900988-S_AG
Version	AG



7.9 to 9.88GHz Band Pass Filter Technical Data Sheet

BPF07900988-S_AG

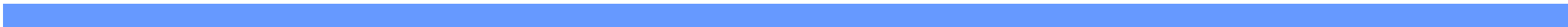
Features

- Design : Cavity
 - Stainless Steel Connectors
 - Low Insertion Loss
- Phase linearity and Amplitude matching
 - RoHS and REACH Compliant
 - High Rejection

Electrical Specifications

: Electronic Specification Note : Values at 25deg , sea level. Test indicators will deteriorate at high and low temperature ;

Description	Minimum	Typical	Maximum	Units	Condition
Freq. Range	7.9		9.88	GHz	
Center Freq.		8.89		GHz	
Bandwidth	1980			MHz	
Insertion Loss			1.5	dB	
Ripple			1.0	dB	@BW
Return Loss	12			dB	
Group delay			4.5	ns	@BW
Group Delay Variation			2.5	ns	@BW
Phase Linearity			-	deg	
Amplitude Matching			-	dB	
PIM			-	dBm	
Rejection	70@DC-6GHz 20@10.08GHz 40@10.4-16GHz [dB min]				
Power			2	W	
Operating Temp.	-20		+85	°C	Relative Humidity 5 to 95%
Additional Conditions					

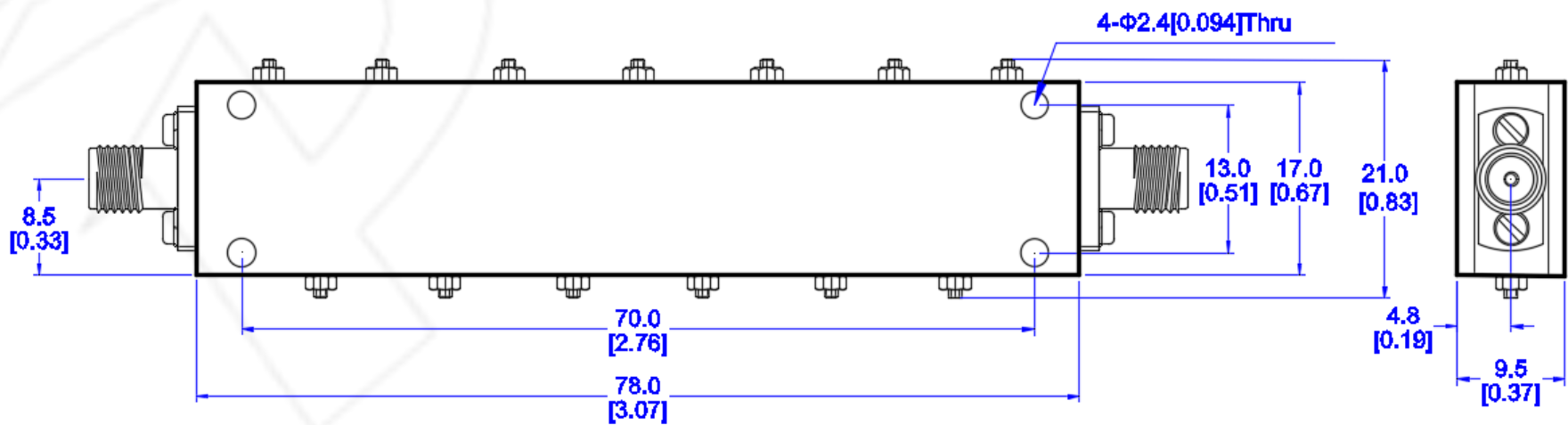


Mechanical Specifications

Description	Specification	Note
Cavity Material	Aluminum	
Dimension L*W*H	78*17*9.5 mm	
Input Connector	SMA-Female	Stainless Steel
Output Connectors	SMA-Female	Stainless Steel
Weight	54 g	
Finishing	Paint Black	
Environment	✗	Indoor
RoHS and REACH Compliant	✓	

Outline Drawing

Dimensions are in mm [Inches]
Tolerances : Outline drawing: ±0.2 [0.008],
Hole: ±0.2 [0.008]

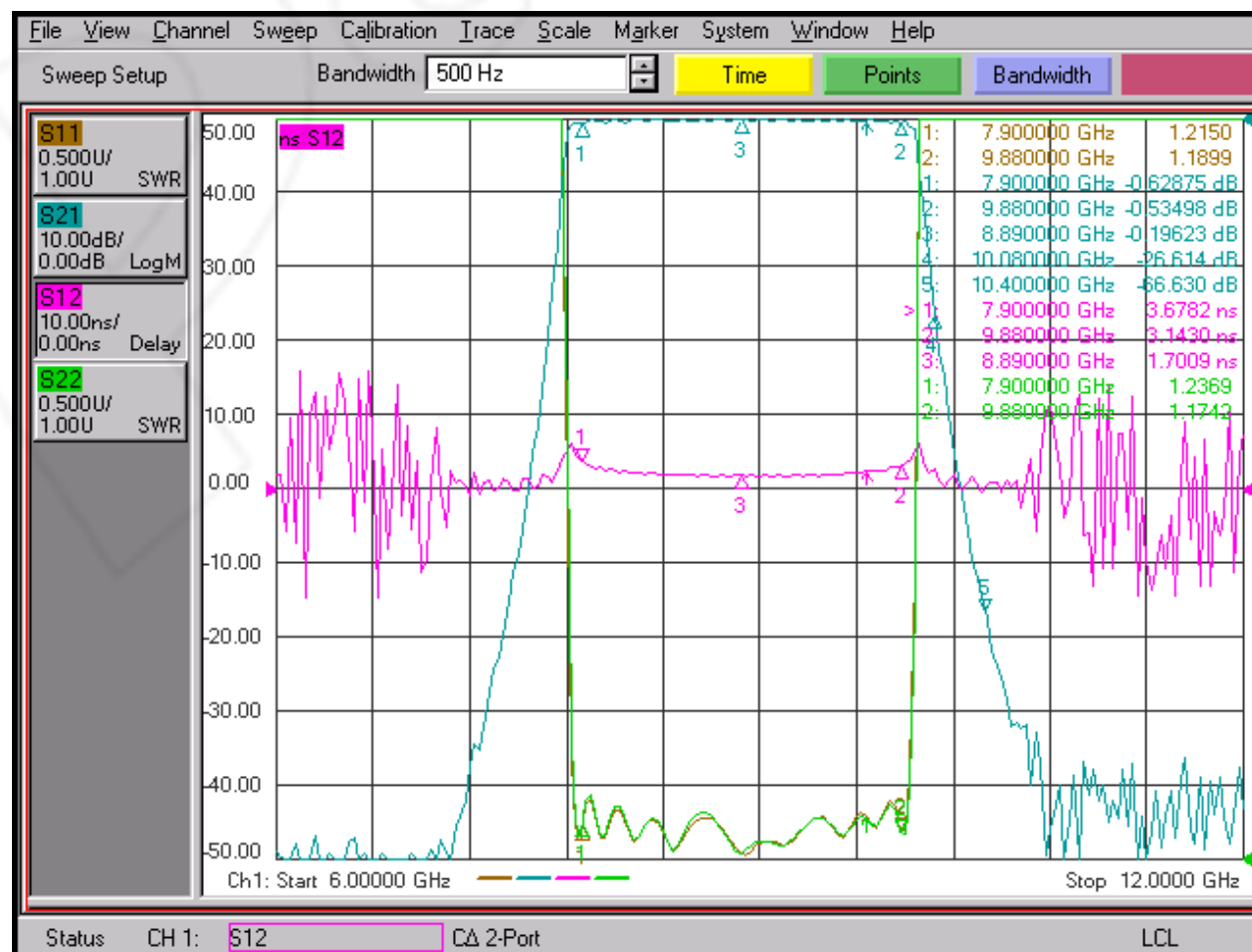
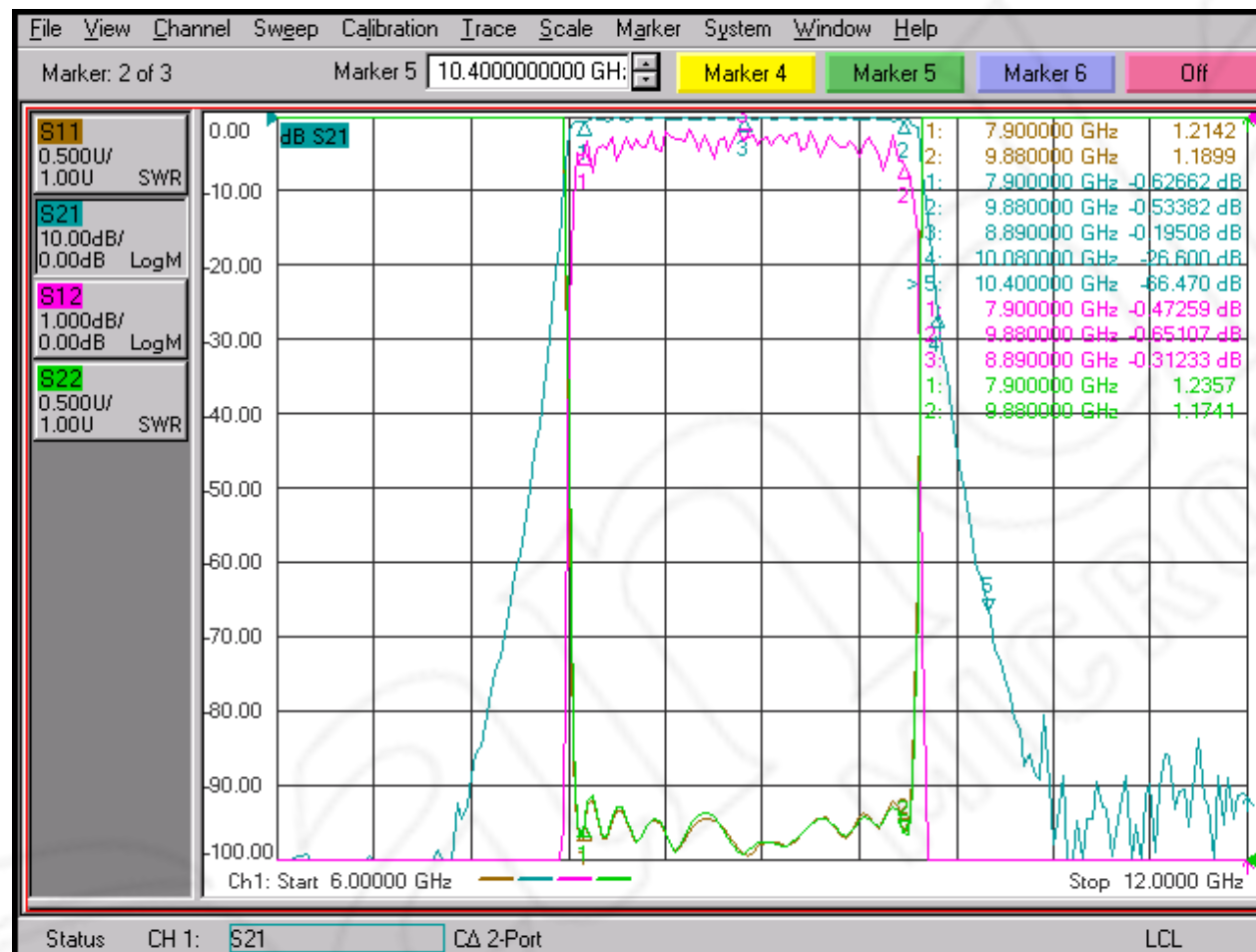


Test Curve

P / N : BPF07900988-S_AG

Freq. Range : 7.9 - 9.88 GHz

Test Temp. : +25 °C



Simulation Curve

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