



Band Pass Filter

Design	Chebyshev filter
Center Freq.	10.3 GHz
Freq. Range	9.3 - 11.3 GHz
P / N	BPF09301130-S_AG
Version	AG



9.3 to 11.3GHz Band Pass Filter Technical Data Sheet

BPF09301130-S_AG

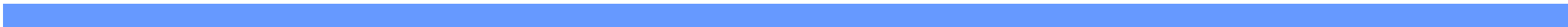
Features

- 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	9.3		11.3	GHz	
Center Freq.		10.3		GHz	
Bandwidth	2000			MHz	
Insertion Loss			1.5	dB	
Ripple			1.0	dB	@BW
Return Loss	10.88			dB	
Group delay			-	ns	-
Group Delay Variation			5	ns	@BW
Phase Linearity			-	deg	-
Amplitude Matching			-	dB	-
PIM			-	dBm	-
Rejection	65@DC-8.9GHz 65@11.8-20GHz [dB min]				
Power			5	W	
Operating Temp.	-20		+85	°C	Relative Humidity 5 to 95%
Additional Conditions	Ripple :0.5dB@325MHz ; Group Delay Variation : 3ns @ 325MHz				

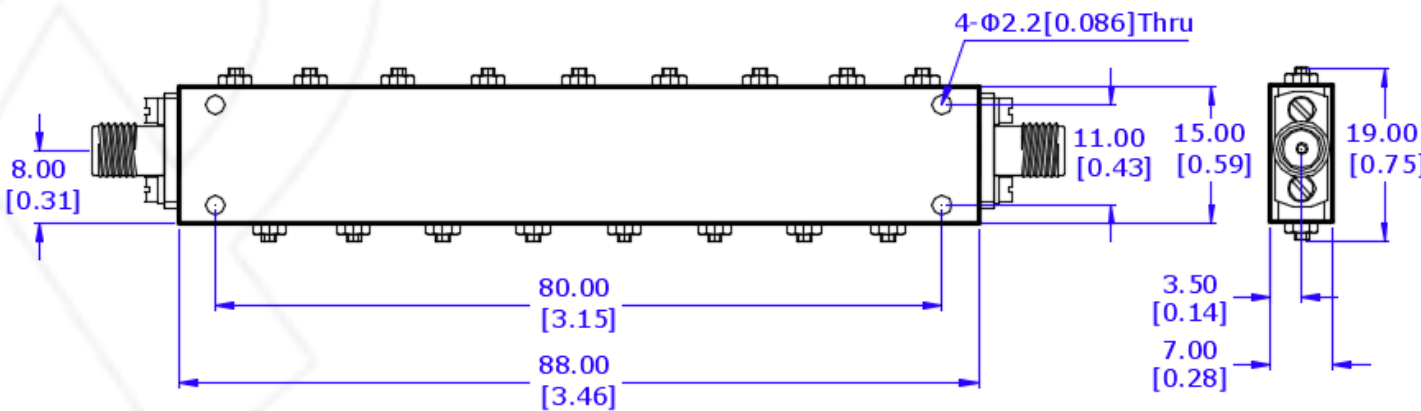


Mechanical Specifications

Description	Specification	Note
Cavity Material	Aluminum	
Dimension L*W*H	88*19*7 mm	
Input Connector	SMA-Female	Stainless Steel
Output Connectors	SMA-Female	Stainless Steel
Weight	46 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]

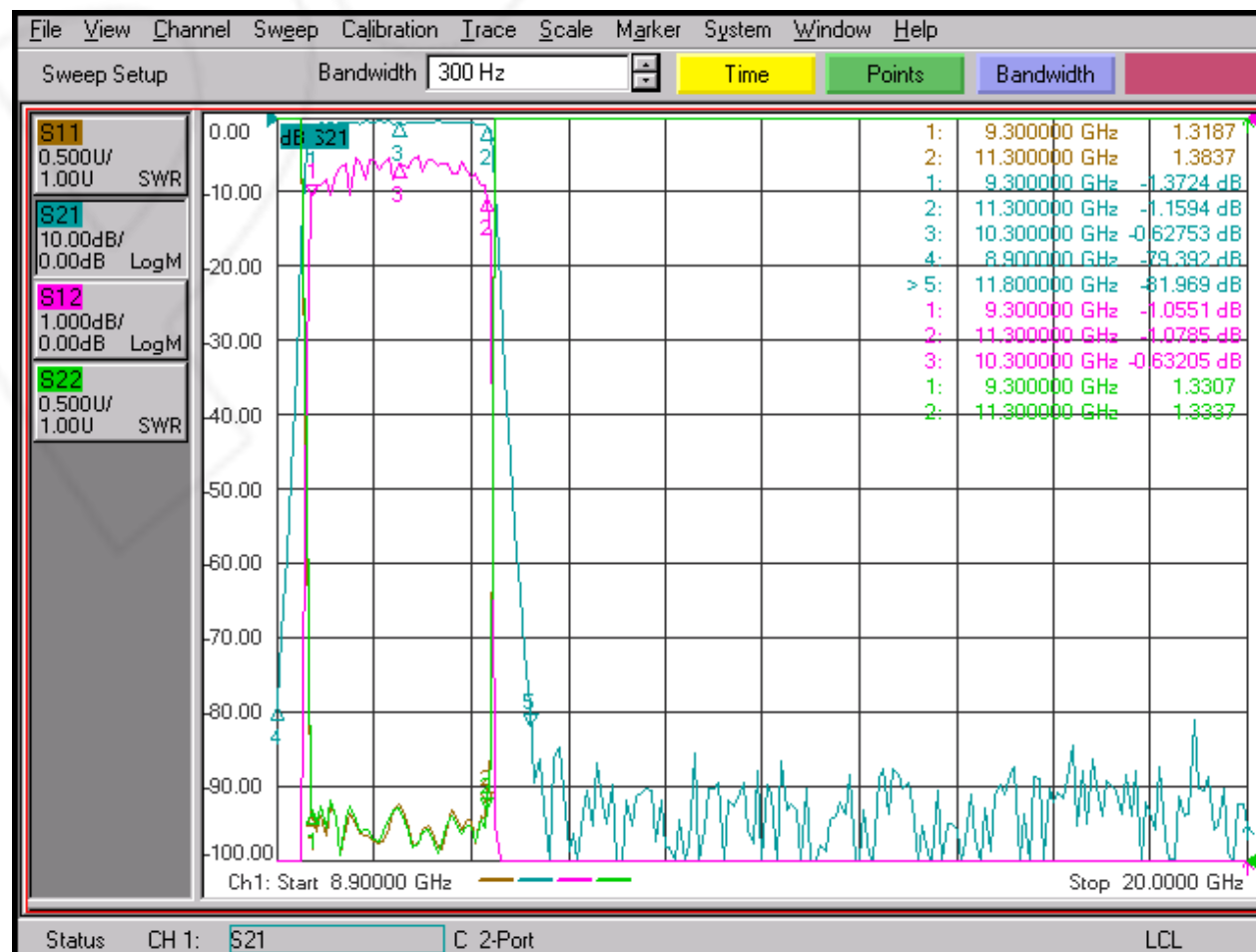
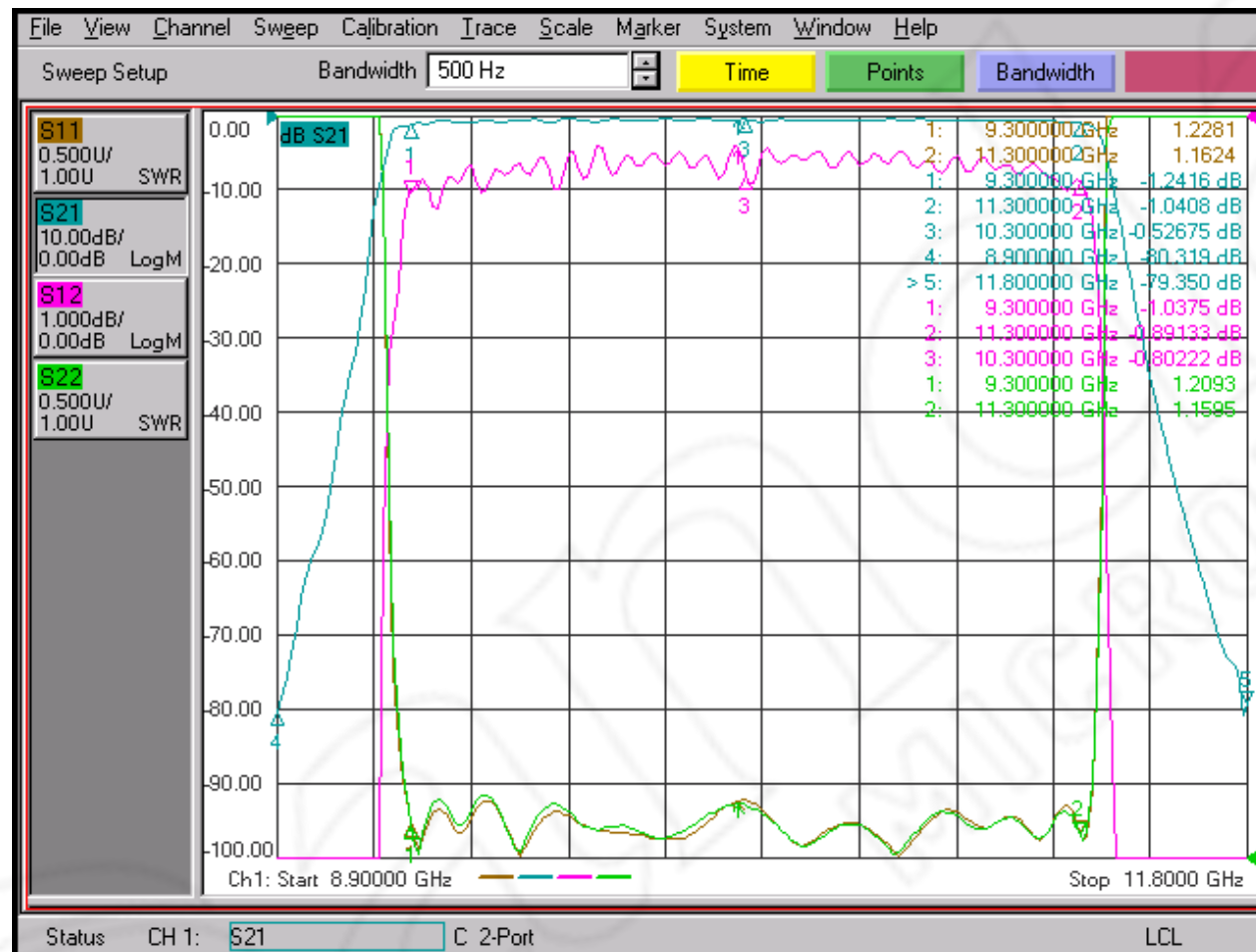


Test Curve

P / N : BPF09301130-S_AG

Freq. Range : 9.3 - 11.3 GHz

Test Temp. : +25 °C



Simulation Curve

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