



Band Pass Filter

Design	Chebyshev filter
Center Freq.	2 GHz
Freq. Range	1.1 - 2.9 GHz
P / N	BPF01100290-S_A
Version	A



1.1 to 2.9GHz Band Pass Filter Technical Data Sheet

BPF01100290-S_A

Features

- Design : Microtrip
 - 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	1.1		2.9	GHz	
Center Freq.		2		GHz	
Bandwidth	1800			MHz	
Insertion Loss			3.0@F0	dB	
Ripple			-	dB	-
Return Loss	9.5			dB	
Group delay			-	ns	-
Group Delay Variation			-	ns	-
Phase Linearity			-	deg	-
Amplitude Matching			-	dB	-
PIM			-	dBm	-
Rejection	40@0.95GHz 40@3.1GHz [dB min]				
Power			1	W	
Operating Temp.	-40		+70	℃	Relative Humidity 5 to 95%
Additional Conditions					

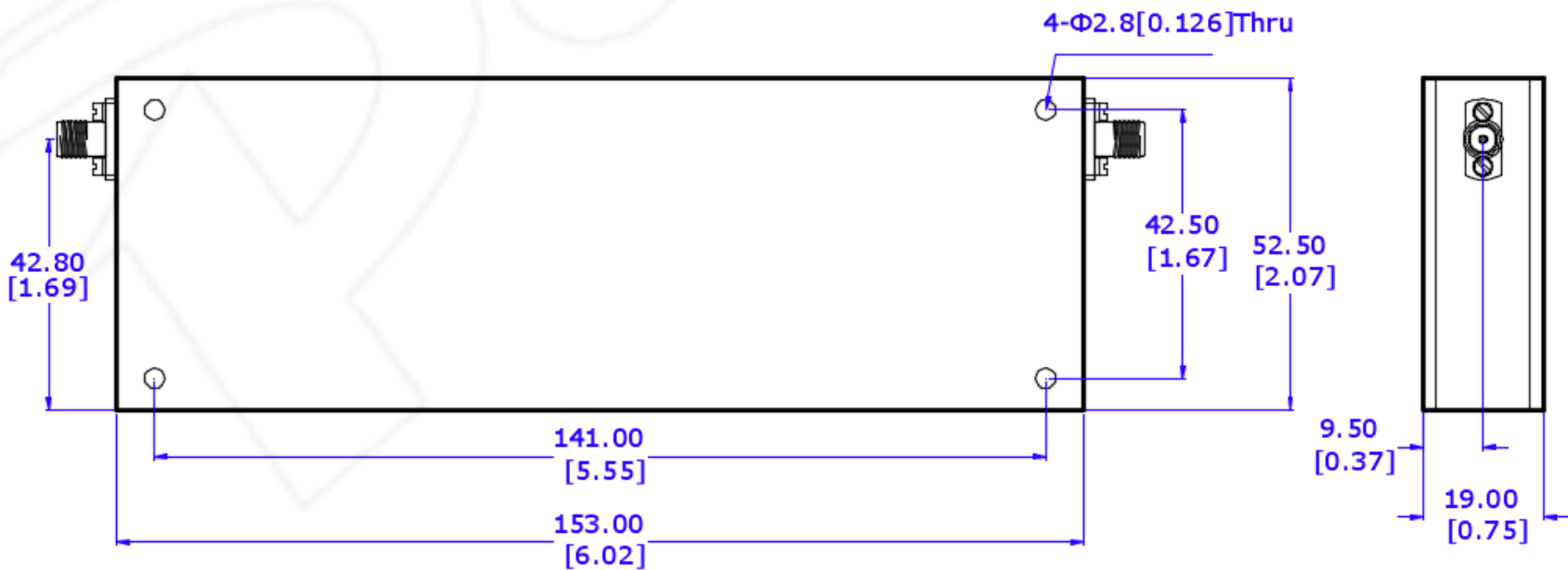


Mechanical Specifications

Description	Specification	Note
Cavity Material	Aluminum	
Dimension L*W*H	153*52.5*19 mm	
Input Connector	SMA-Female	Stainless Steel
Output Connectors	SMA-Female	Stainless Steel
Weight	250 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]

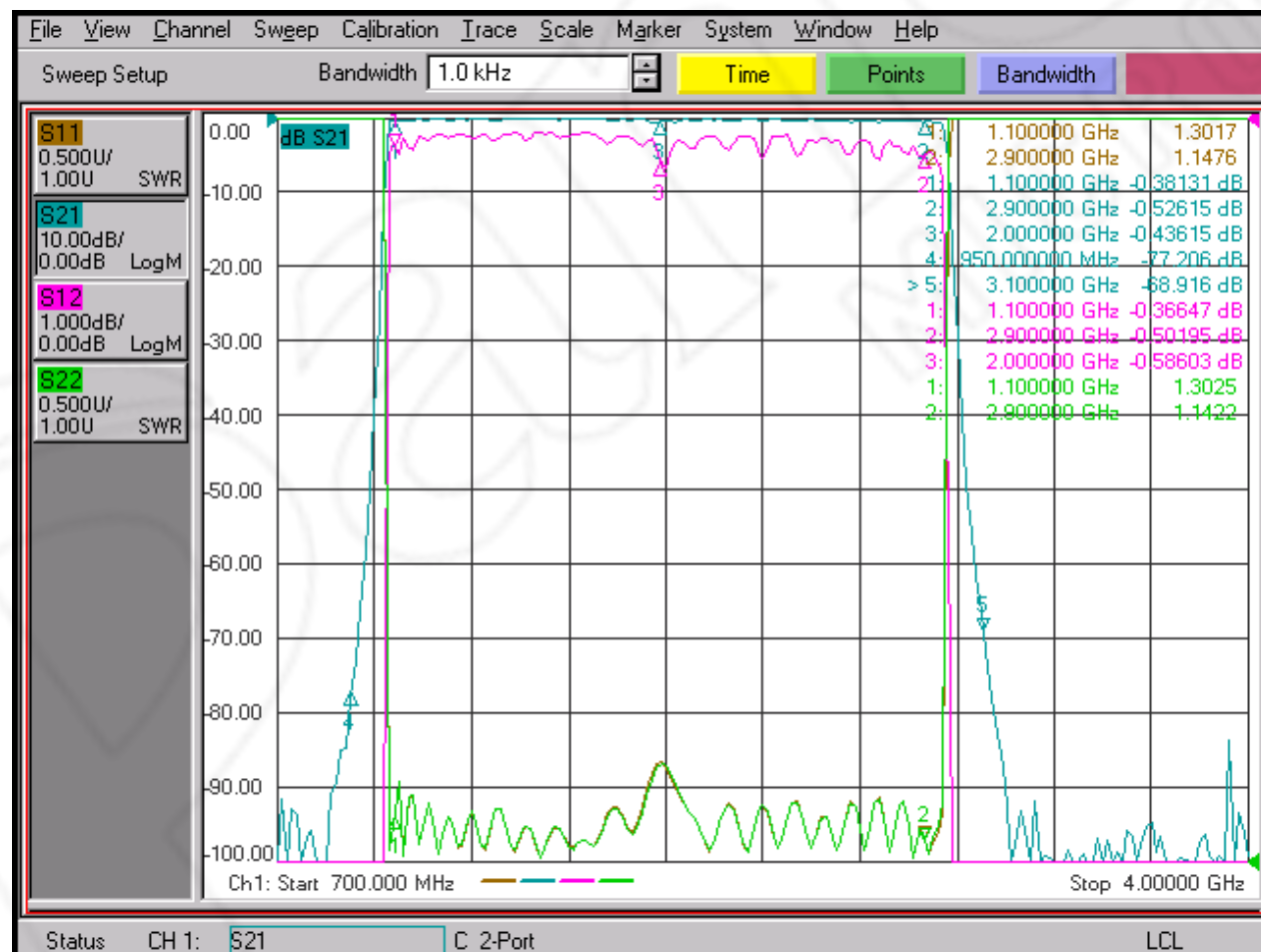


Test Curve

P / N : BPF01100290-S_A

Freq. Range : 1.1 - 2.9 GHz

Test Temp. : +25 °C



Simulation Curve

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