

Band Pass Filter

Design	Chebyshev filter
Center Freq.	4 GHz
Freq. Range	3 - 5 GHz
P / N	BPF03000500-SMF_A
Version	A



3 to 5GHz Band Pass Filter Technical Data Sheet

BPF03000500-SMF_A

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 ;

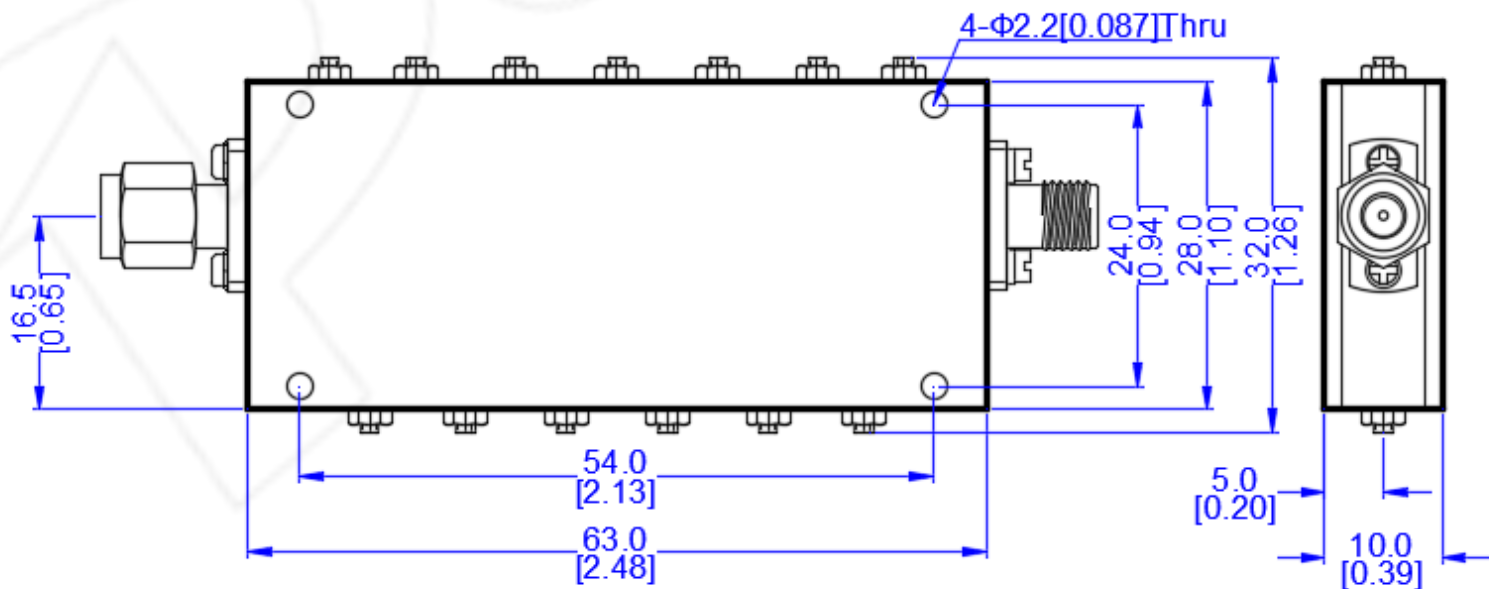
Description	Minimum	Typical	Maximum	Units	Condition
Freq. Range	3		5	GHz	
Center Freq.		4		GHz	
Bandwidth	2000			MHz	@-1dB
Insertion Loss			1.0	dB	
Ripple			1	dB	-
Return Loss	11.7			dB	
Group delay			-	ns	-
Group Delay Variation			-	ns	-
Phase Linearity			-	deg	-
Amplitude Matching			-	dB	-
PIM			-	dBm	-
Rejection	40@DC-2.5GHz 40@5.5GHz [dB min]				
Power			5	W	
Operating Temp.	-40		+70	°C	Relative Humidity 5 to 95%
Additional Conditions					

Mechanical Specifications

Description	Specification	Note
Cavity Material	Aluminum	
Dimension L*W*H	63*28*10 mm	
Input Connector	SMA-Male	Stainless Steel
Output Connectors	SMA-Female	Stainless Steel
Weight	95 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]

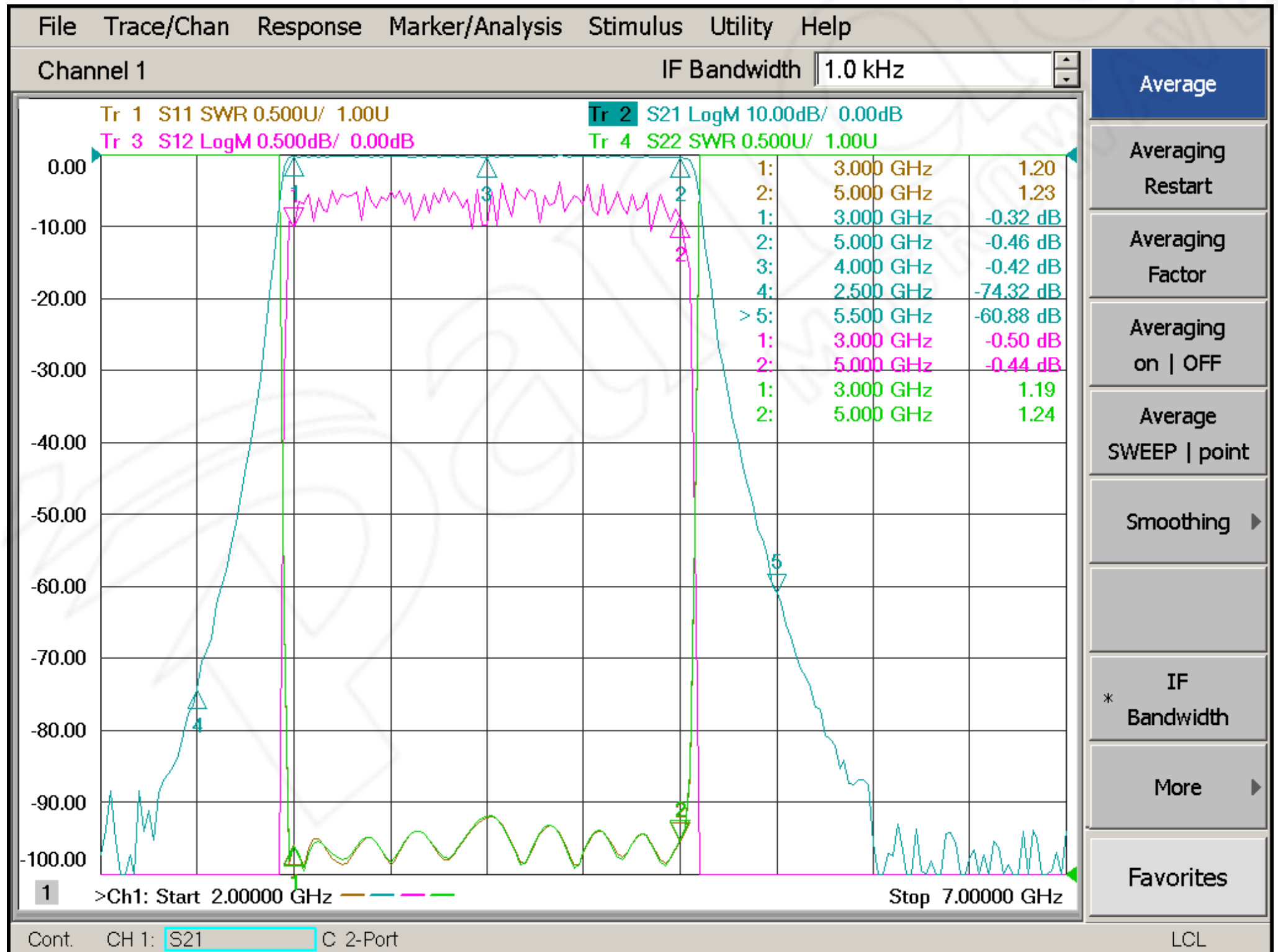


Test Curve

P / N : BPF03000500-SMF_A

Freq. Range : 3 - 5 GHz

Test Temp. : +25 °C



Simulation Curve

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