

Band Pass Filter

Design	Chebyshev filter
Center Freq.	5.664 GHz
Freq. Range	5.639 - 5.689 GHz
P / N	BPF05630568-S_A
Version	A



5.639 to 5.689GHz Band Pass Filter Technical Data Sheet

BPF05630568-S\_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 ;

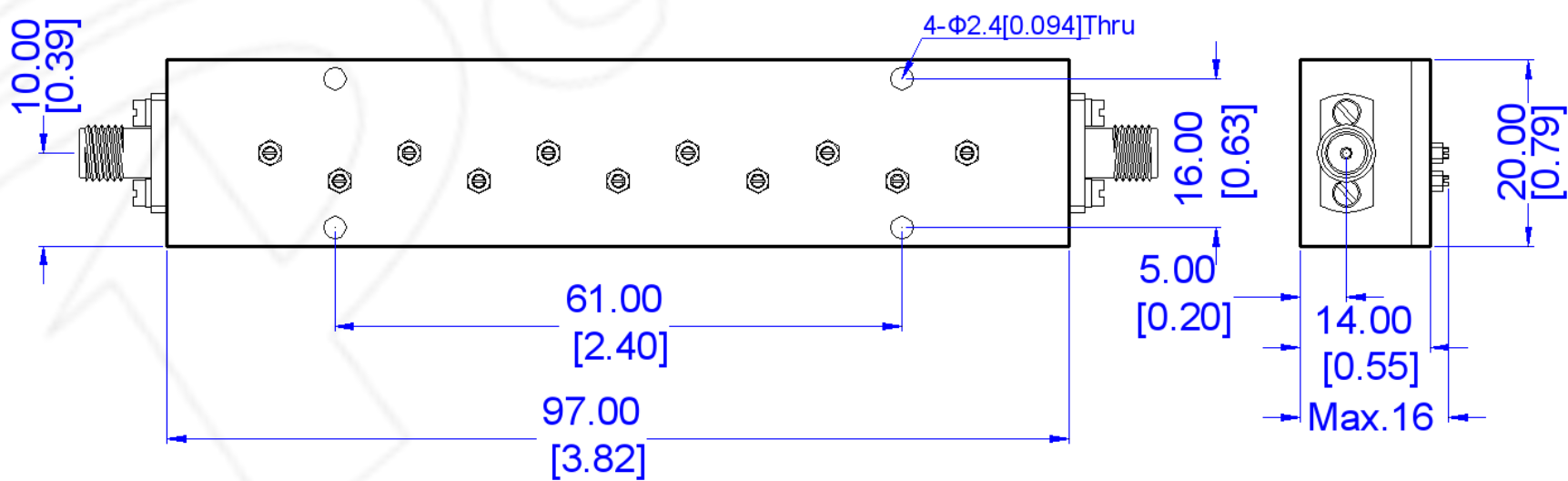
Description	Minimum	Typical	Maximum	Units	Condition
Freq. Range	5.639		5.689	GHz	
Center Freq.		5.664		GHz	
Bandwidth	50			MHz	@1dB
Insertion Loss			2.0	dB	
Ripple			1.0	dB	-
Return Loss	14			dB	
Group delay			-	ns	-
Group Delay Variation			-	ns	-
Phase Linearity			-	deg	-
Amplitude Matching			-	dB	-
PIM			-	dBm	-
Rejection	35@DC-5.5GHz 10@5.6GHz 50@11.37GHz [dB min]				
Power			10	W	
Operating Temp.	-10		+50	°C	Relative Humidity 5 to 95%
Additional Conditions					

**Mechanical Specifications**

Description	Specification	Note
Cavity Material	Aluminum	
Dimension L*W*H	97*20*16 mm	
Input Connector	SMA-Female	Stainless Steel
Output Connectors	SMA-Female	Stainless Steel
Weight	56 g	
Finishing	Paint Black	
Environment	✗	Indoor
RoHS and REACH Compliant	✓	

**Outline Drawing**

Dimensions are in mm [Inches]  
Tolerances : Outline drawing:  $\pm 0.2$  [0.008],  
Hole:  $\pm 0.2$  [0.008]



## Test Curve

P / N : BPF05630568-S\_A  
Freq. Range : 5.639 - 5.689 GHz  
Test Temp. : +25 °C

