

Band Pass Filter

Design	Chebyshev filter
Center Freq.	7.43 GHz
Freq. Range	7.405 - 7.455 GHz
P / N	BPF07400745-SM_A
Version	A



7.405 to 7.455GHz Band Pass Filter Technical Data Sheet

BPF07400745-SM_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 ;

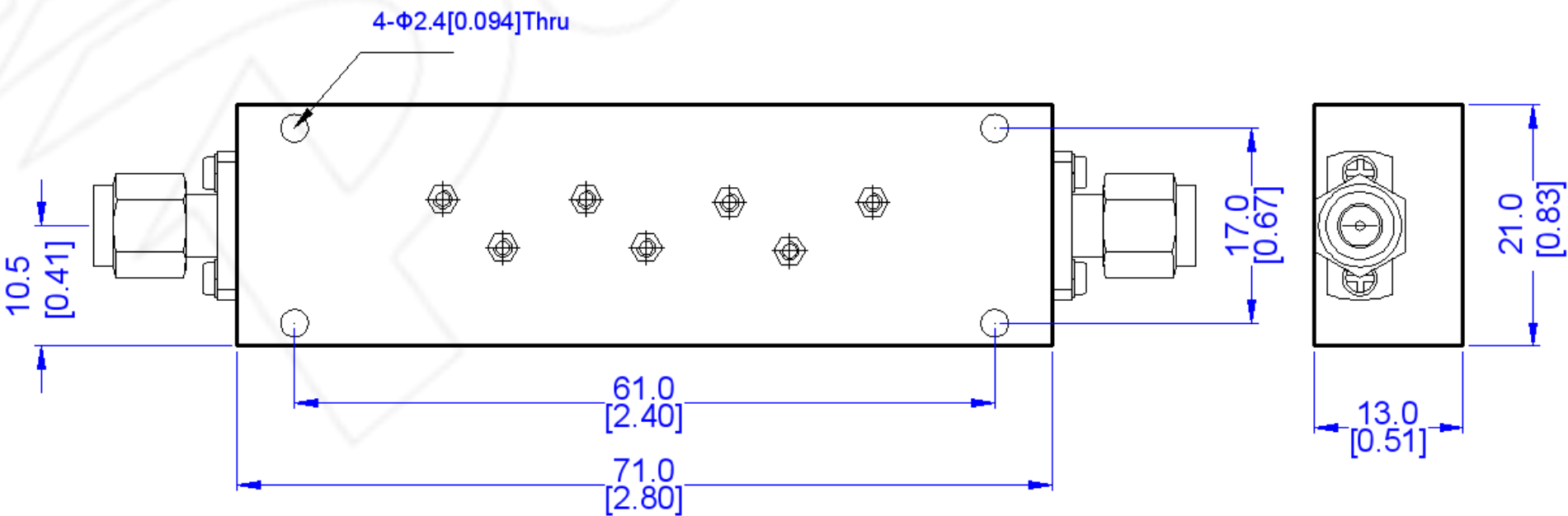
Description	Minimum	Typical	Maximum	Units	Condition
Freq. Range	7.405		7.455	GHz	
Center Freq.		7.43		GHz	
Bandwidth	50			MHz	@1dB
Insertion Loss			1.5	dB	
Ripple			1	dB	-
Return Loss	16			dB	
Group delay			-	ns	-
Group Delay Variation			-	ns	-
Phase Linearity			-	deg	-
Amplitude Matching			-	dB	-
PIM			-	dBm	-
Rejection	55@8100MHz 55@6760MHz [dB min]				
Power			10	W	
Operating Temp.	-40		+70	℃	Relative Humidity 5 to 95%
Additional Conditions					

Mechanical Specifications

Description	Specification	Note
Cavity Material	Aluminum	
Dimension L*W*H	71*21*13 mm	
Input Connector	SMA-Male	Stainless Steel
Output Connectors	SMA-Male	Stainless Steel
Weight	120 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 : BPF07400745-SM_A

Freq. Range : 7.405 - 7.455 GHz

Test Temp. : +25 °C

