

Band Pass Filter

Design	Chebyshev filter
Center Freq.	5.76 GHz
Freq. Range	5.71 - 5.81 GHz
P / N	BPF05710581-S_A
Version	A



5.71 to 5.81GHz Band Pass Filter Technical Data Sheet

BPF05710581-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 ;

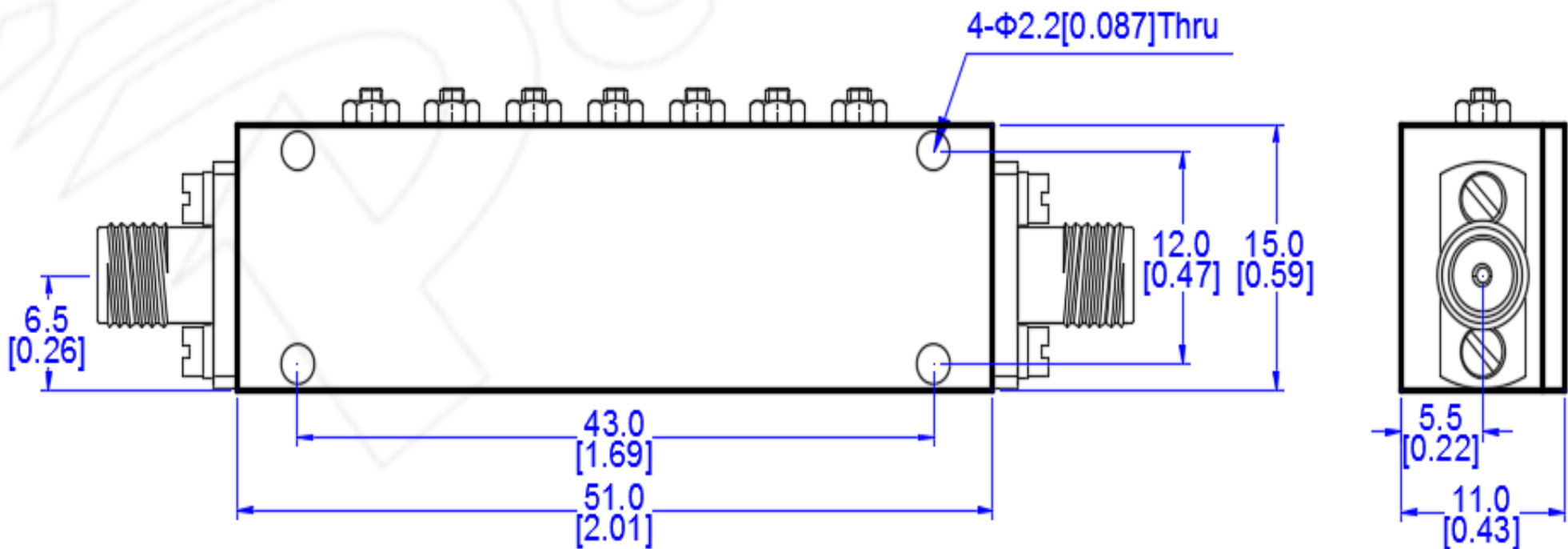
Description	Minimum	Typical	Maximum	Units	Condition
Freq. Range	5.71		5.81	GHz	
Center Freq.		5.76		GHz	
Bandwidth	100			MHz	@-1dB
Insertion Loss			1	dB	
Ripple			1	dB	-
Return Loss	13.98			dB	
Group delay			-	ns	-
Group Delay Variation			-	ns	-
Phase Linearity			-	deg	-
Amplitude Matching			-	dB	-
PIM			-	dBm	-
Rejection	30@DC-5.3GHz 40@6.2-12GHz [dB min]				
Power			1	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	51*15*11 mm	
Input Connector	SMA-Female	Stainless Steel
Output Connectors	SMA-Female	Stainless Steel
Weight	50 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 : BPF05710581-S_A

Freq. Range : 5.71 - 5.81 GHz

Test Temp. : +25 °C

