



Band Pass Filter

Design	Chebyshev filter
Center Freq.	0.8665 GHz
Freq. Range	0.863 - 0.87 GHz
P / N	BPF863870M-S_A
Version	A



0.863 to 0.87GHz Band Pass Filter Technical Data Sheet

BPF863870M-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	0.863		0.87	GHz	
Center Freq.		0.8665		GHz	
Bandwidth	7			MHz	
Insertion Loss			0.5	dB	
Ripple			0.6	dB	
Return Loss	14			dB	
Group delay			-	ns	
Group Delay Variation				ns	
Phase Linearity			-	deg	-
Amplitude Matching			-	dB	-
PIM			-	dBm	-
Rejection	40@DC-835MHz 40@0.895-2GHz [dB min]				
Power			5	W	
Operating Temp.	-10		+50	℃	Relative Humidity 5 to 95%
Additional Conditions					

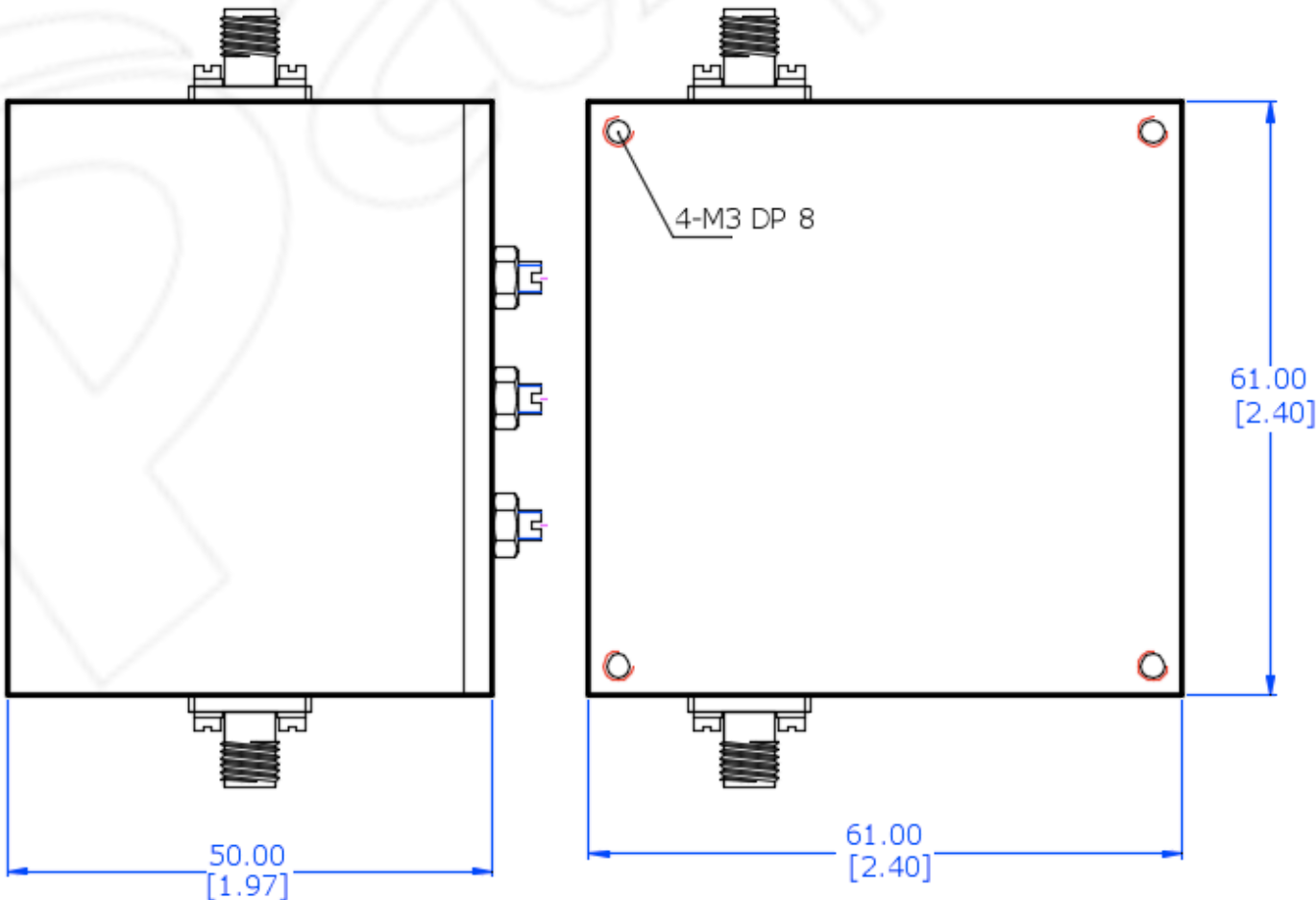


Mechanical Specifications

Description	Specification	Note
Cavity Material	Aluminum	
Dimension L*W*H	61*61*50 mm	
Input Connector	SMA-Female	Stainless Steel
Output Connectors	SMA-Female	Stainless Steel
Weight	245 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]

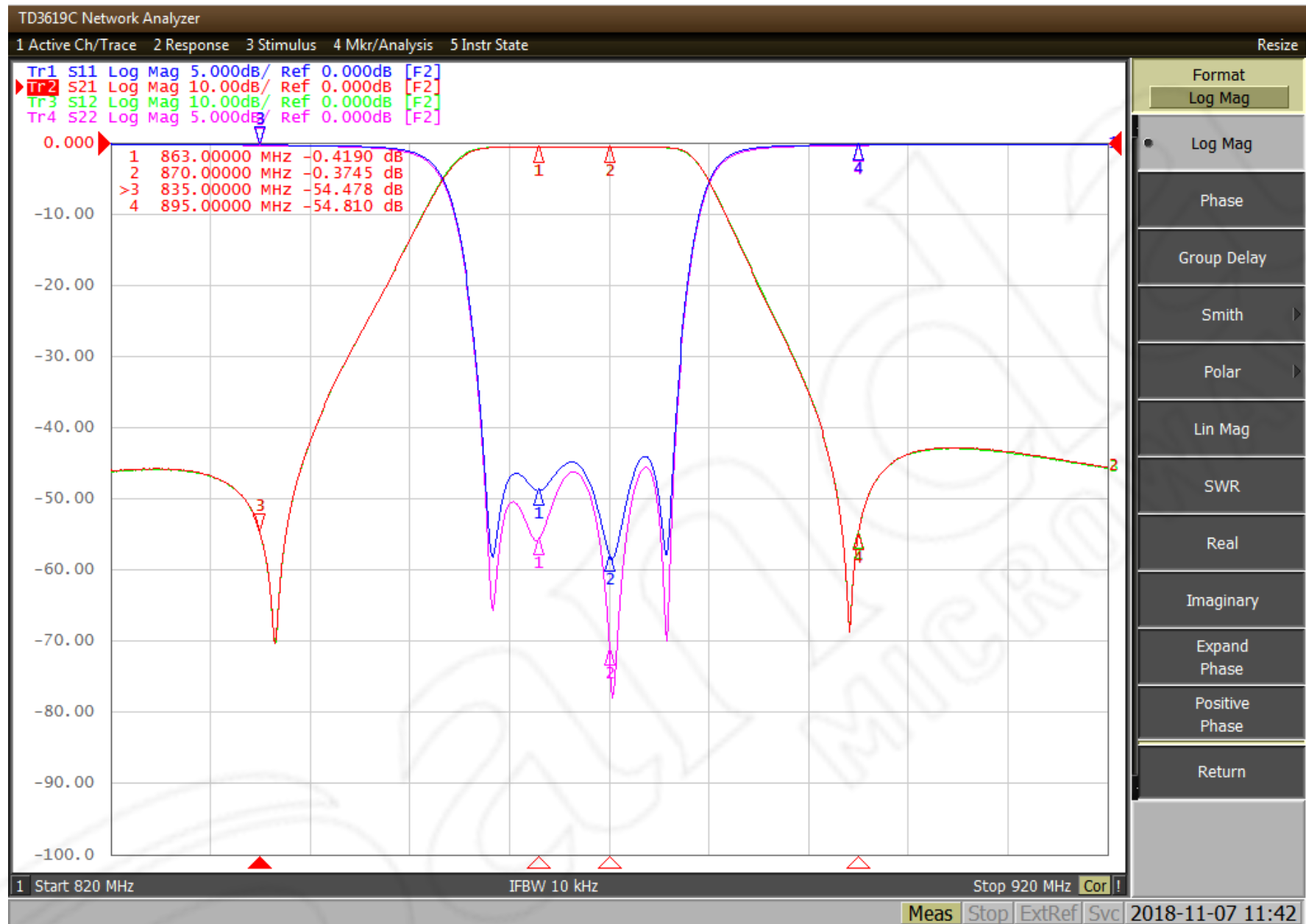


Test Curve

P / N : BPF863870M-S_A

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Test Temp. : +25 °C



Simulation Curve

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