



# 810 MHz Saw Filter

## Part Number: AM810S837

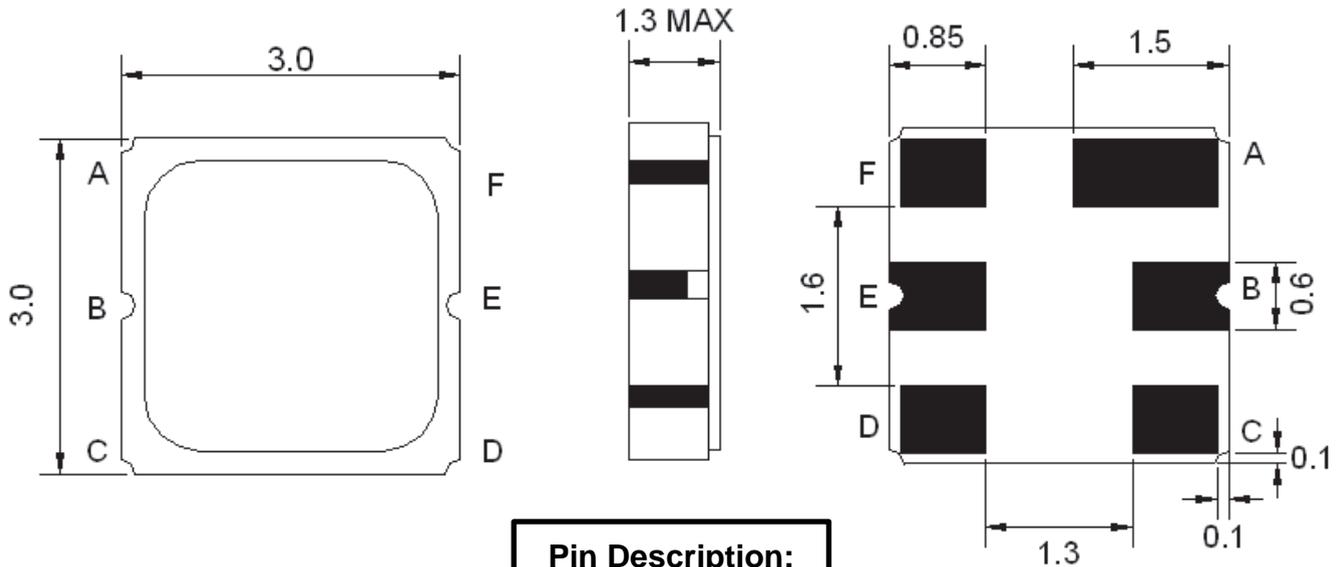


Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	810.0	-
Insertion Loss in 805.0 ~ 815.0 MHz	dB	-	2.9	3.5
Amplitude Ripple in 805.0 ~ 815.0 MHz	nSp-p	-	0.6	1.5
Group Delay Variation in 805.0 ~ 815.0 MHz	-	-	20.0	40.0
10 dB Bandwidth	MHz	-	24.5	30.0
20 dB Bandwidth	MHz	-	30.0	40.0
40 dB Bandwidth	MHz	-	49.0	60.0

Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	5
Maximum Input Power	dBm	-	-	10
Source Impedance (Single Ended) <sub>1</sub>	Ω	-	50	-
Load Impedance (Single Ended) <sub>1</sub>	Ω	-	50	-
Package Size and Type	3.0 x 3.0 x 1.3 mm M			

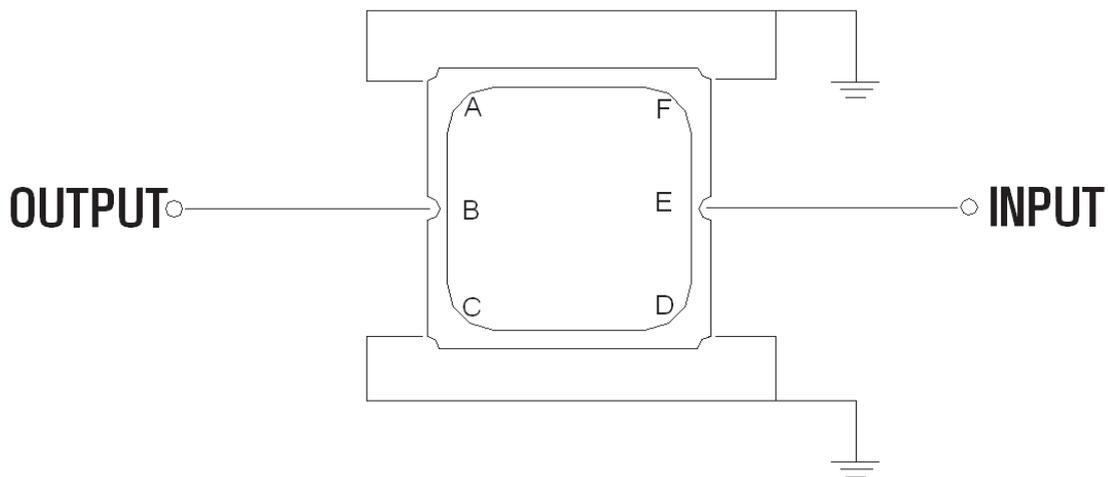


**Outline Drawing:**



**Pin Description:**  
 Ground – A C D F  
 Input – E  
 Output – B

**Testing Environment:**



Source/Load Impedance: 50 Ω

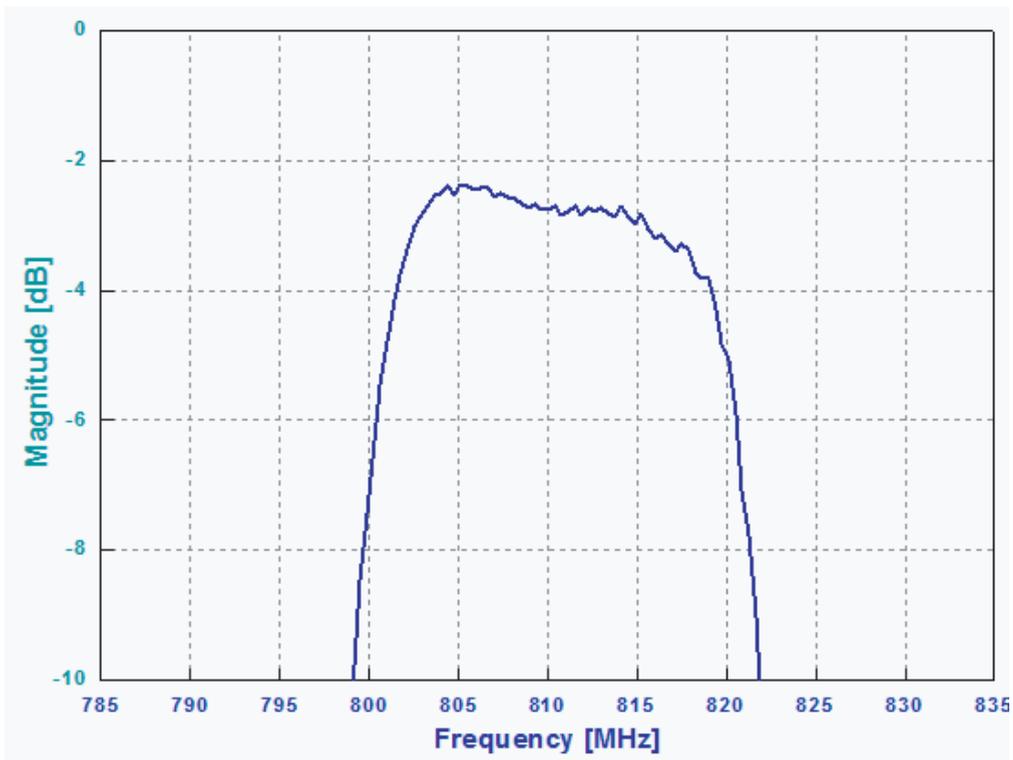
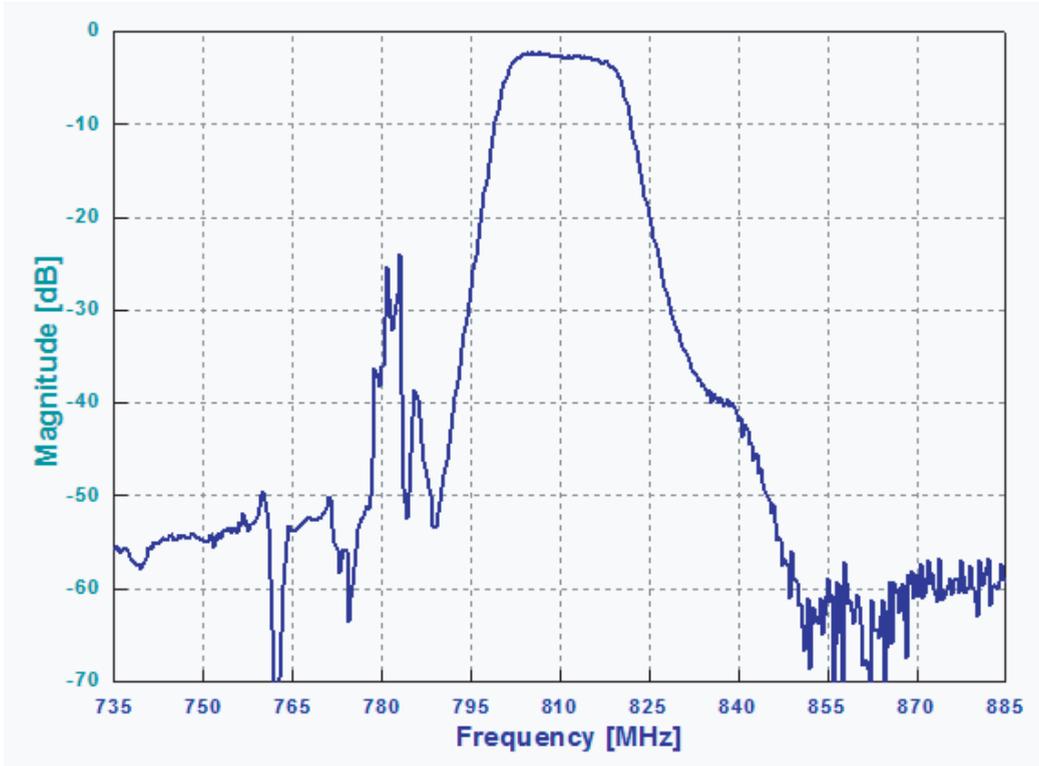


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### Response Plot:



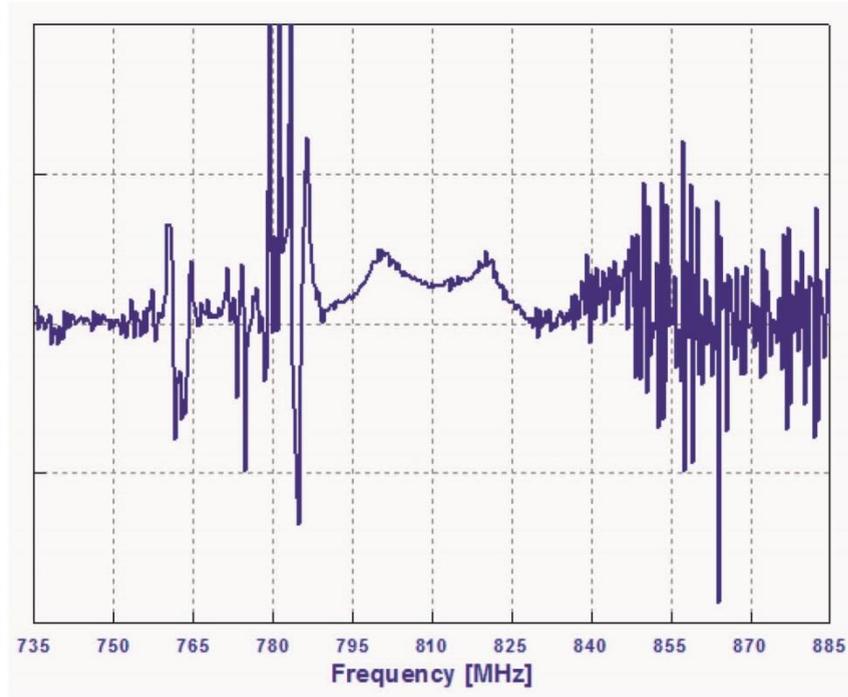


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### Group Delay:



### Smith Charts:

