



# 1209.5 MHz Saw Bandpass Filter

**Part Number: AM1209S836**

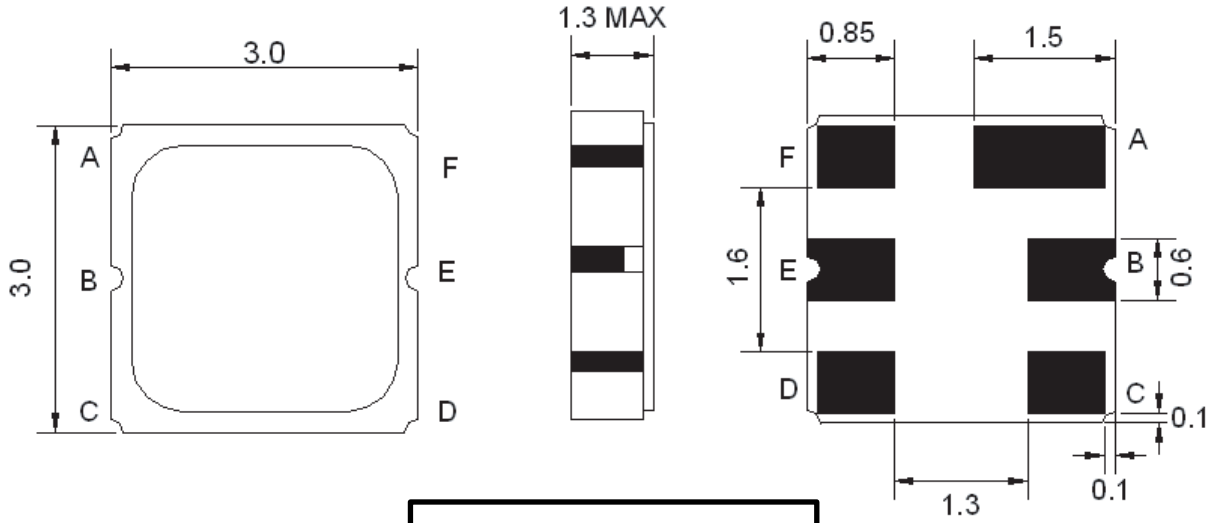


Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	1209.0	-
Insertion Loss within 1166 ~ 1253 MHz	dB	-	3.9	5.0
Amplitude Ripple within 1166 ~ 1253 MHz	dB <sub>p-p</sub>	-	1.8	3.0
Group Delay Ripple within 1166 ~ 1253 MHz	nSp-p	-	7	12
Return Loss within 1166 ~ 1253 MHz	dB	8	12	-
<b>Attenuation:</b>				
DC ~ 1000 MHz	dB	23	25	-
1297 ~ 2000 MHz	dB	25	28	-

Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
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	

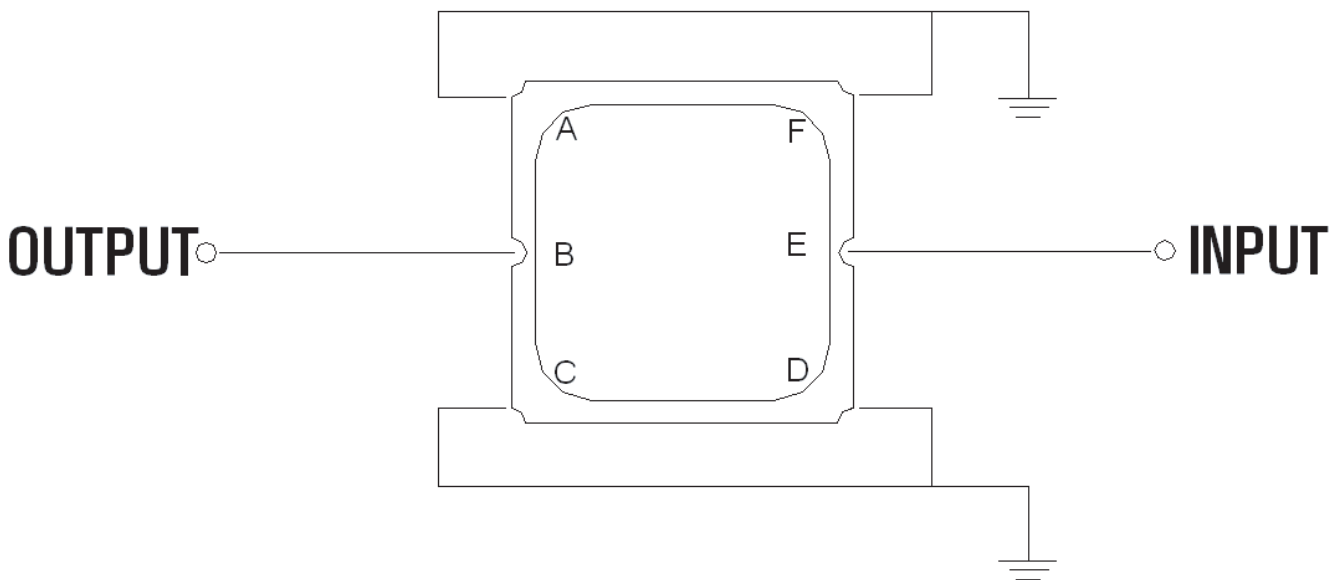


### Outline Drawing:



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

### Testing Environment:



Source/Load Impedance: 50 Ω

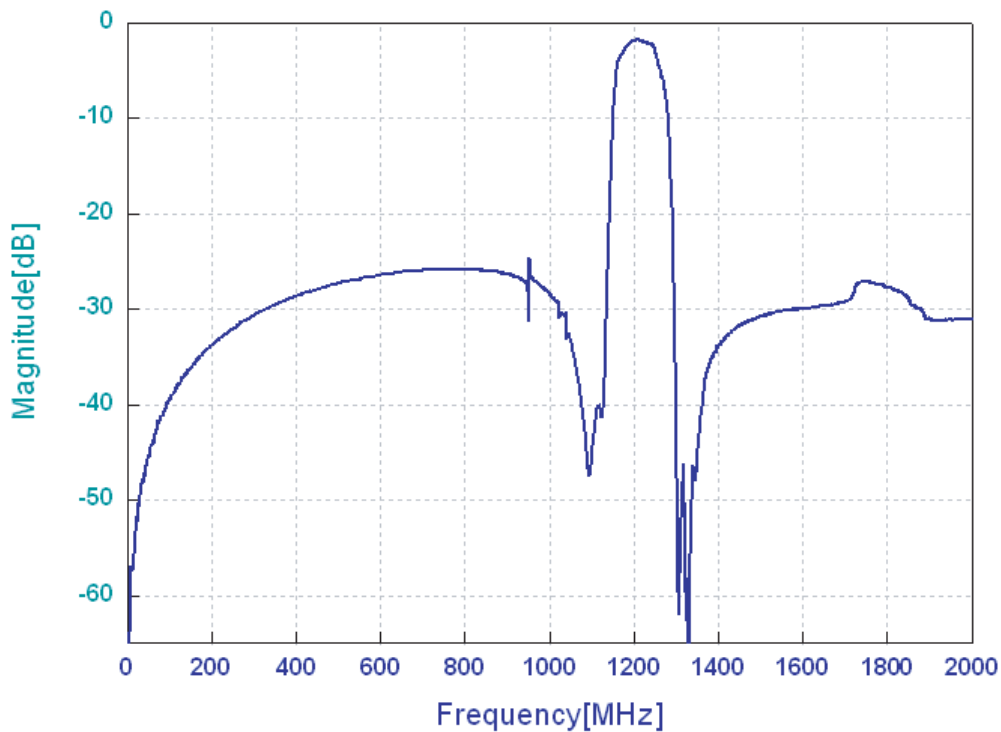
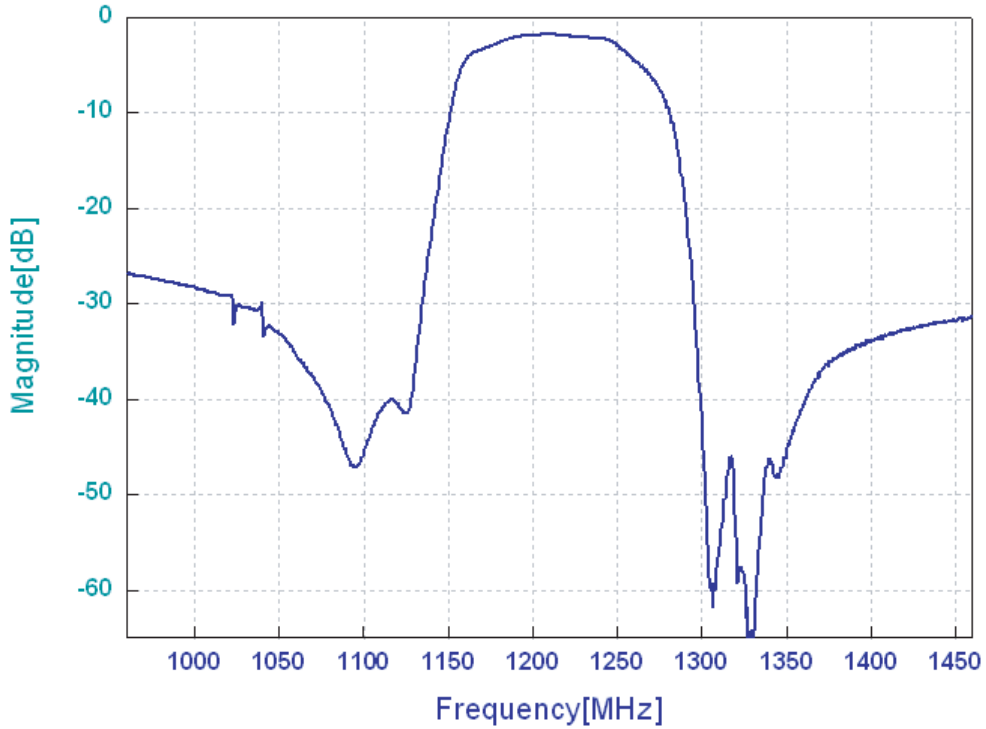


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## Response Plot:



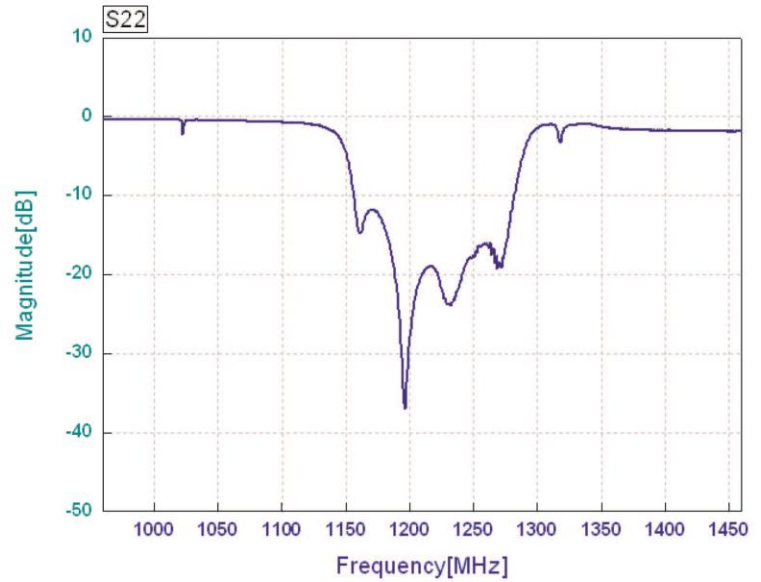
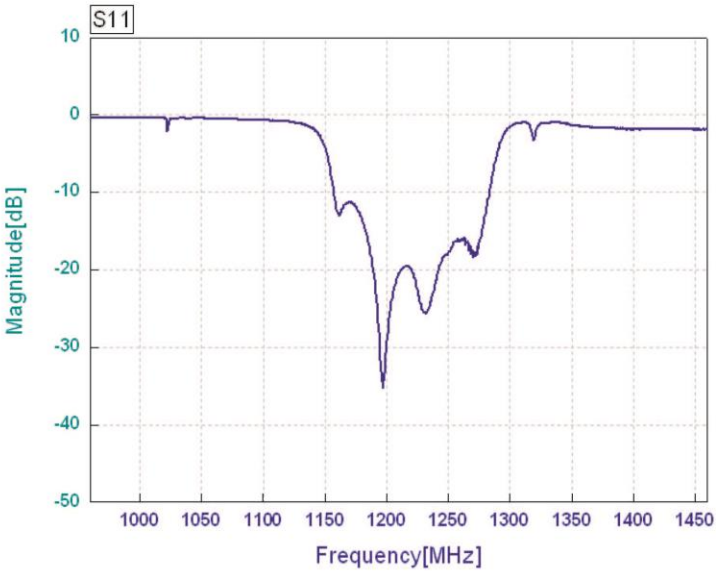


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## Return Loss



## Smith Chart

