



## 382.5 MHz Saw Filter

**Part Number: AM382S838**



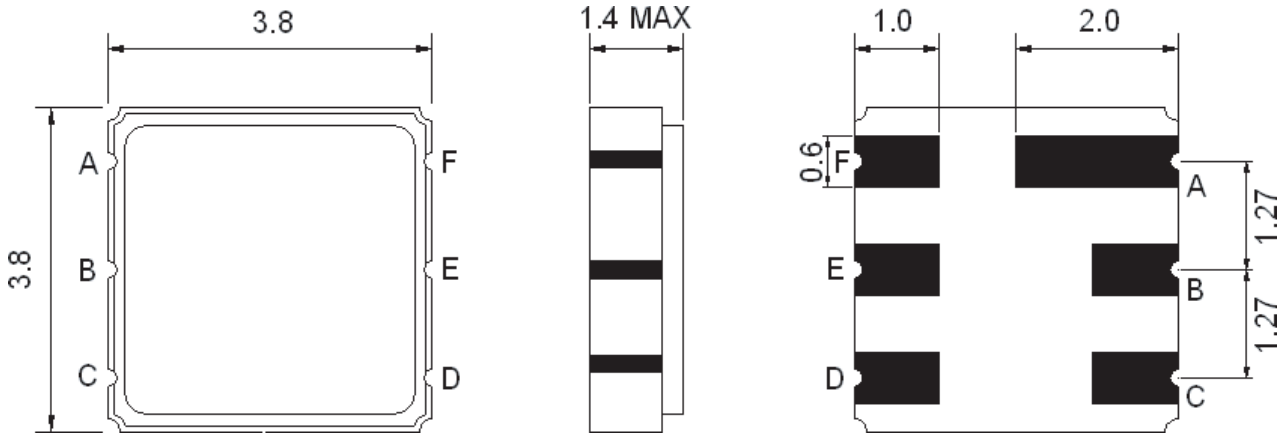
Parameters Description	Unit	Minimum	Typical	Maximum
<b>Center Frequency (Fo)</b>	MHz	-	382.5	-
<b>Insertion Loss within 380.0 ~ 385.0 MHz</b>	dB	-	2.4	2.8
<b>Amplitude Ripple within 380.0 ~ 385.0 MHz</b>	dBp-p	-	1.0	2.0
<b>Attenuation:</b>				
<b>0.3 ~ 370.0 MHz</b>	dB	28	33	-
<b>390.0 ~ 395.0 MHz</b>	dB	30	38	-
<b>395.0 ~ 433.5 MHz</b>	dB	31	33	-
<b>VSWR within 380.0 ~ 385.0 MHz</b>	-	-	2.0	2.2

Parameters Description	Unit	Minimum	Typical	Maximum
<b>Operation Temperature Range</b>	°C	-30	-	+85
<b>Storage Temperature Range</b>	°C	-40	-	+85
<b>Maximum DC Voltage</b>	V	-	-	-
<b>Maximum Input Power</b>	dBm	-	-	28
<b>Source Impedance (Single Ended)<sub>1</sub></b>	Ω	-	50	-
<b>Load Impedance (Single Ended)<sub>1</sub></b>	Ω	-	50	-
<b>Package Size and Type</b>	3.8 x 3.8 x 1.4 mm P			

**Note:** (1) No Matching Network (Ref. Testing Environment Circuit as shown below).



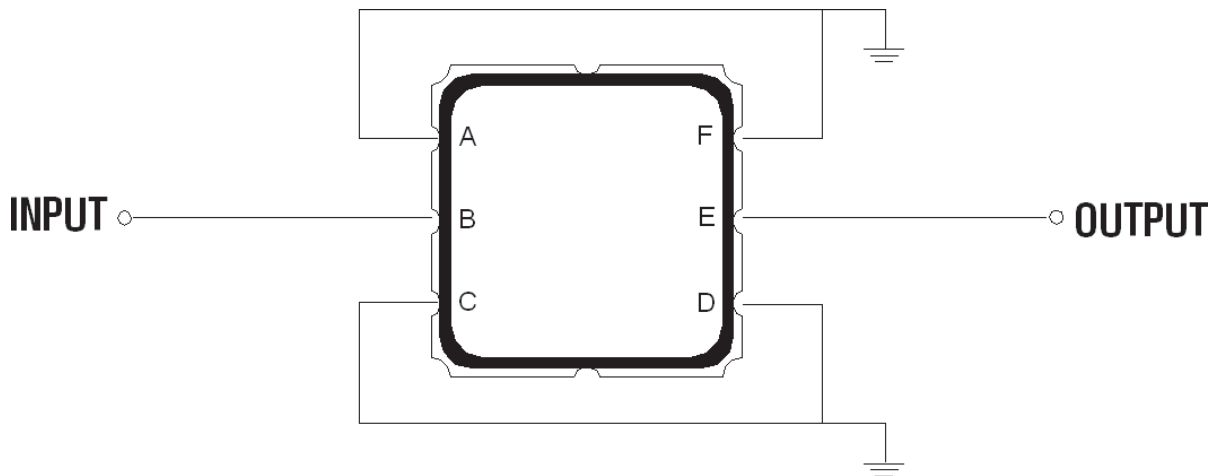
**Outline Drawing:**



Number	Marking codes
1.	A38E 382L
2.	Z C X Y

Pin Description	
Ground	A C D F
Input	B
Output	E

**Testing Environment:**



Source/Load Impedance: 50 Ω

2 decimal places: +/-0.01 inches [ +/-0.3mm]  
3 decimal places: +/-0.005 inches [ +/-0.13mm]  
Angles: +/-1 Deg.

*When max dimensions are called out the above tolerances do not apply as long as it is under the max call out.*

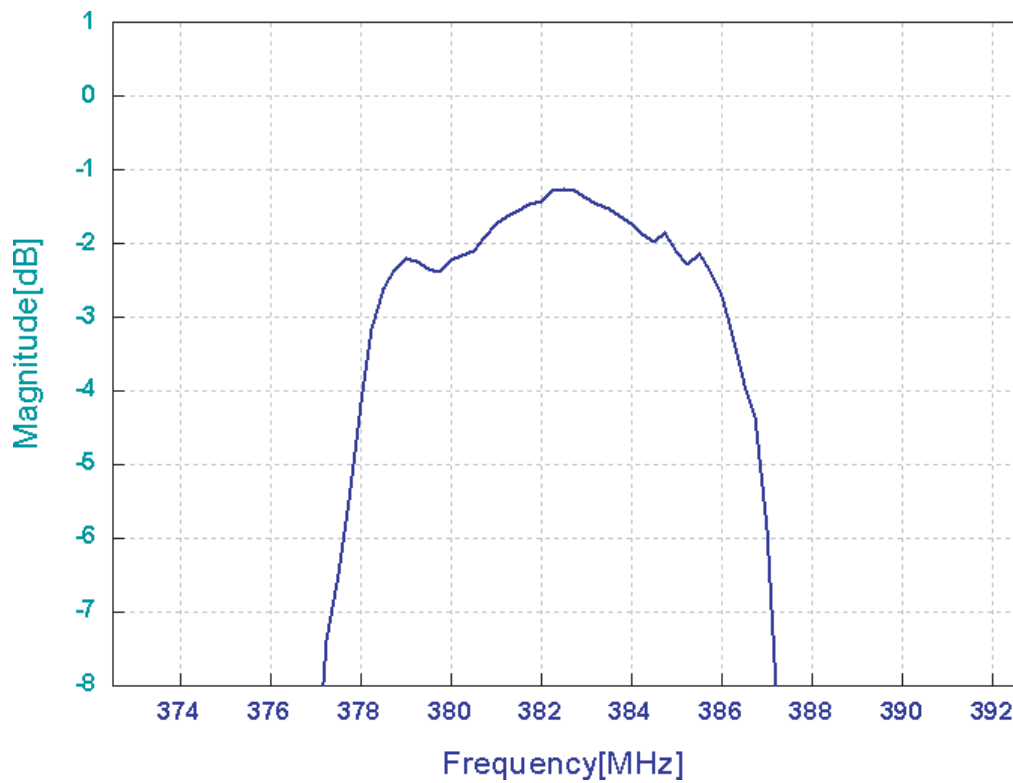
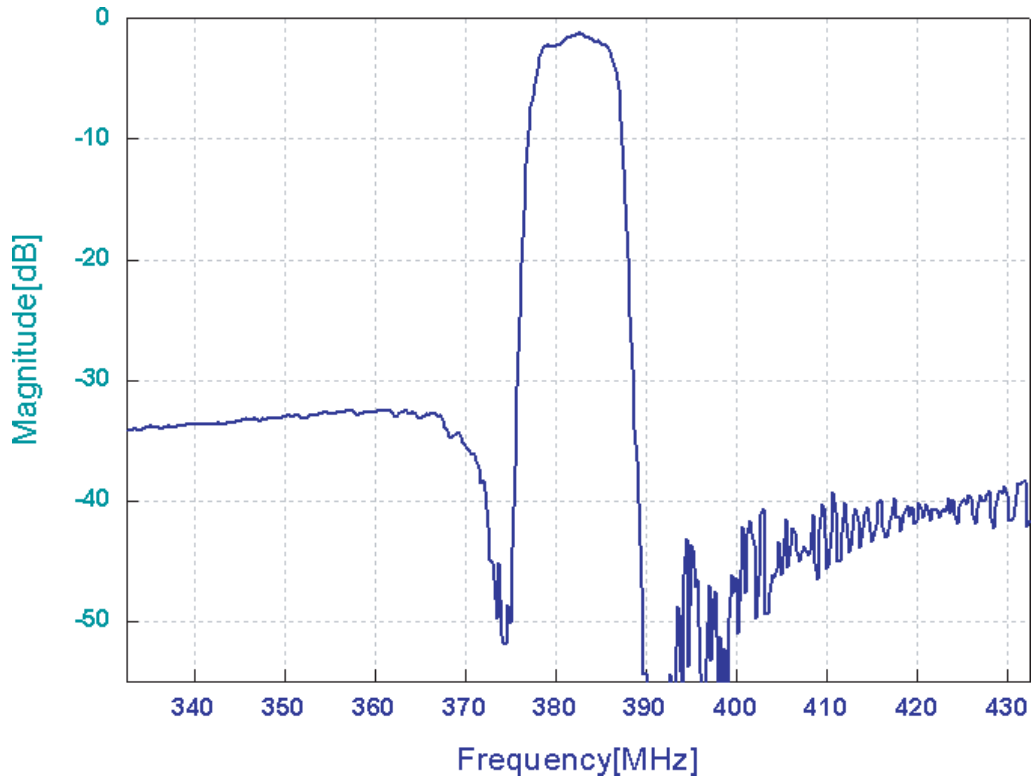


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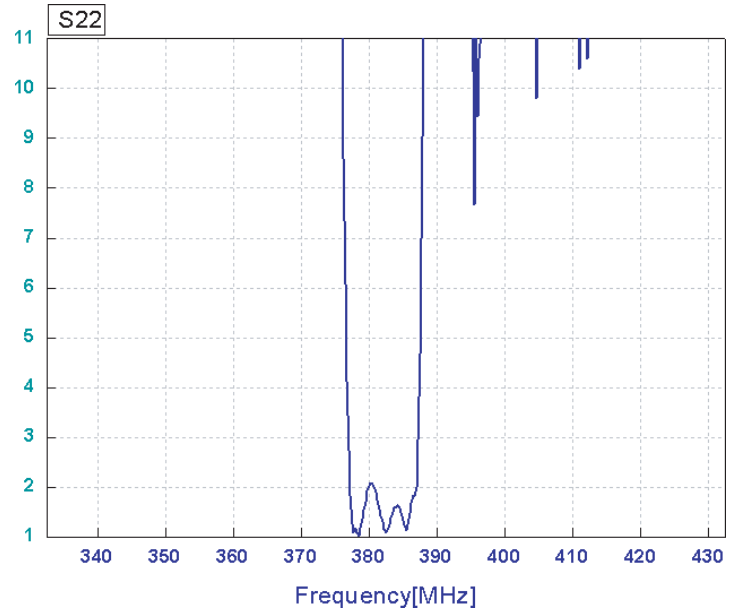
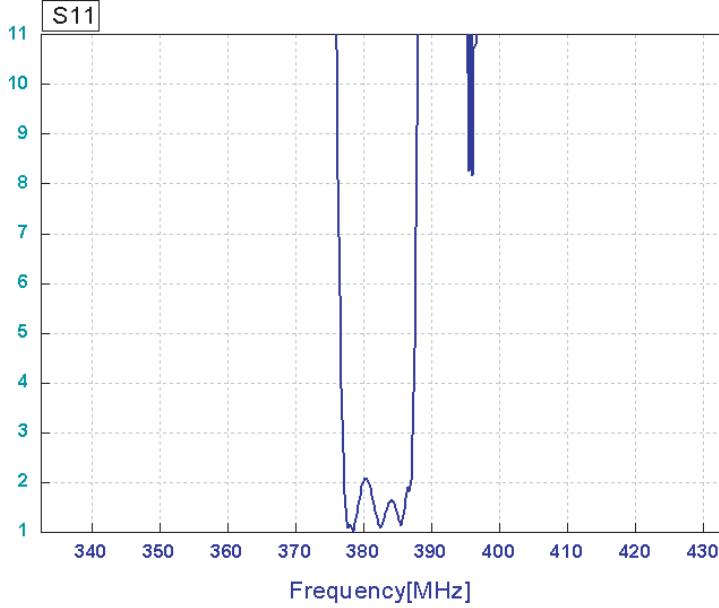
## Response Plot:





**Response Plot:**

**VSWR**



**Smith Chart**

