



382.5 MHz Saw Filter

Part Number: AM382S838



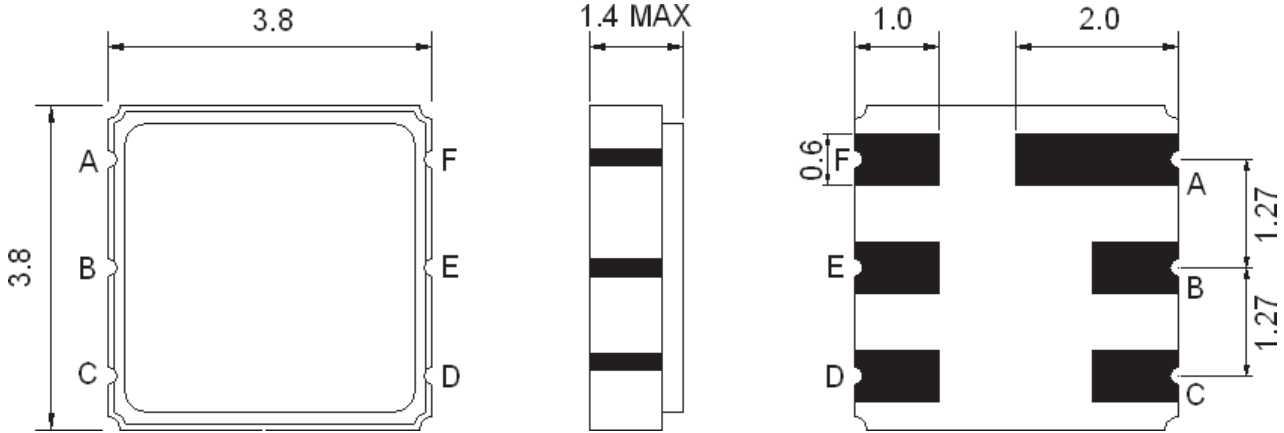
Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	382.5	-
Insertion Loss within 380.0 ~ 385.0 MHz	dB	-	2.4	2.8
Amplitude Ripple within 380.0 ~ 385.0 MHz	dB _{p-p}	-	1.0	2.0
Attenuation:				
0.3 ~ 370.0 MHz	dB	28	33	-
390.0 ~ 395.0 MHz	dB	30	38	-
395.0 ~ 433.5 MHz	dB	31	33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

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

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



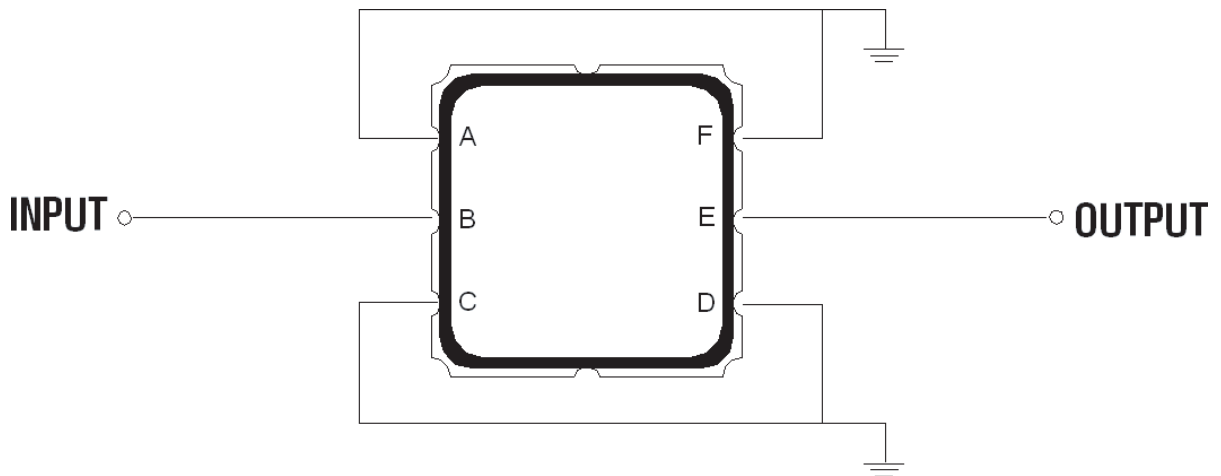
Outline Drawing:



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.

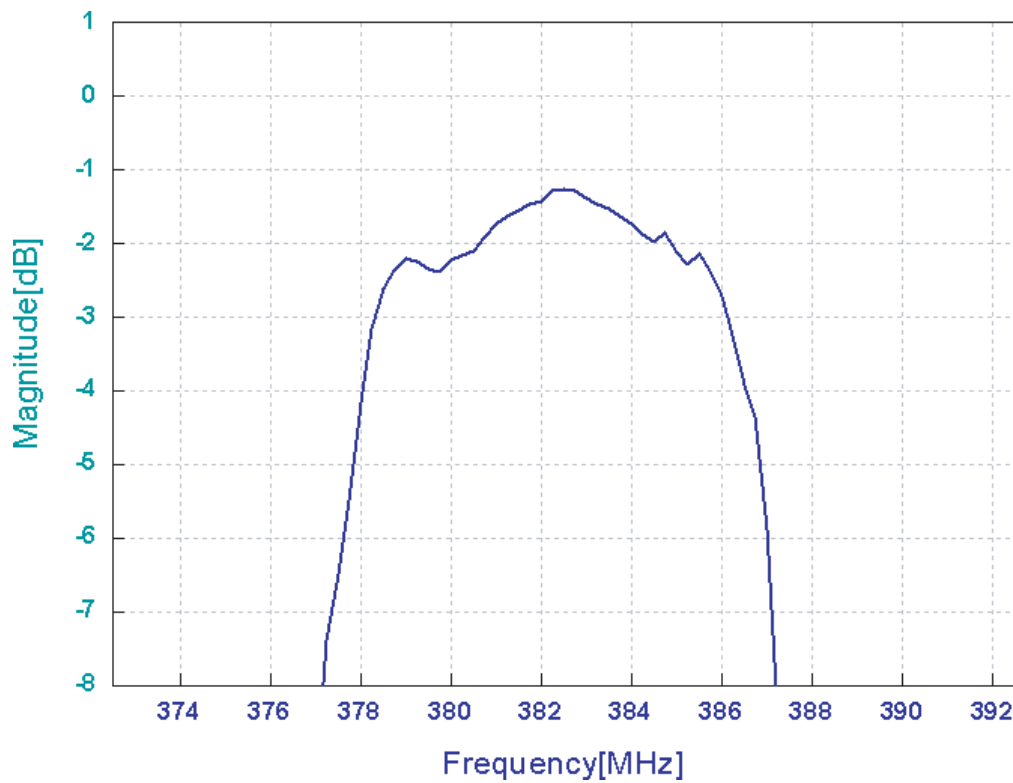
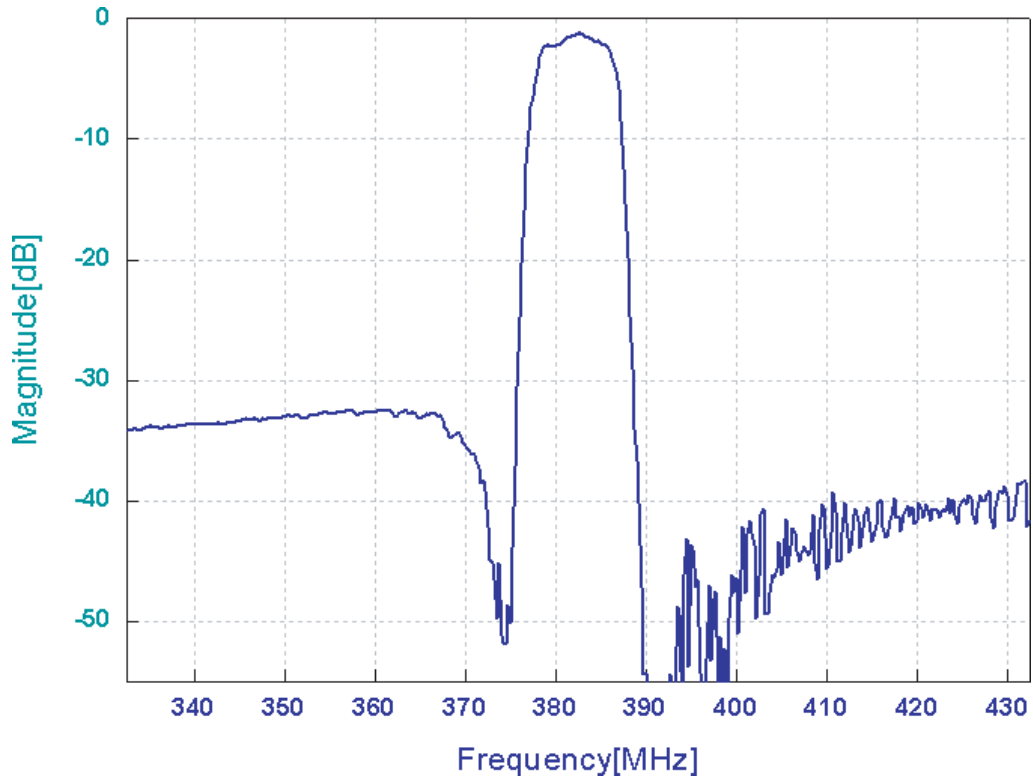


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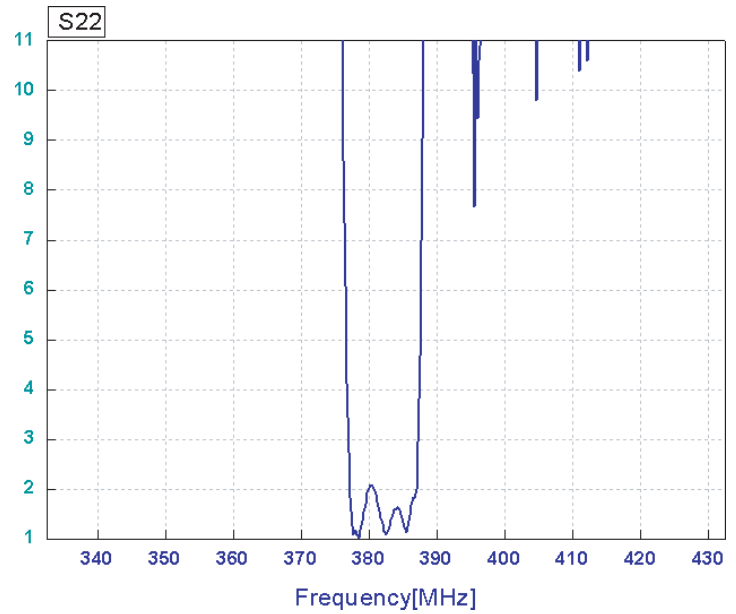
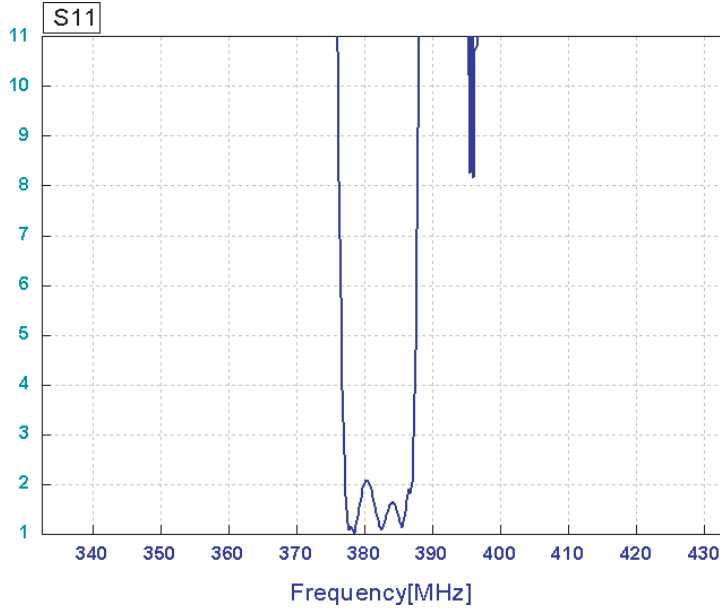
Response Plot:





Response Plot:

VSWR



Smith Chart

