

# 38 MHz SAW Filter

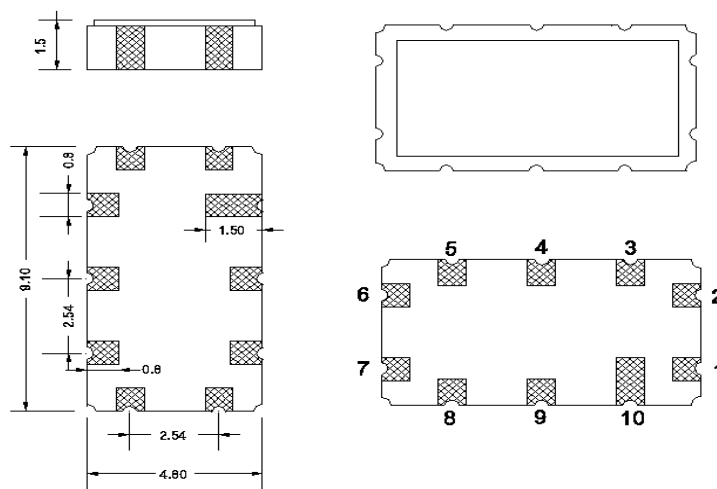
# 162873

## Specifications

Parameters Description	Unit	Min	Typical	Max
Center Frequency (Fo)	MHz	38.812	38.912	40.012
Insertion Loss at f <sub>o</sub>	dB	-	22.5	25.0
Source Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Load Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Temperature Coefficient	ppm/°C	-	20	-
Bandwidth at -3.0 dB	MHz	1.40	1.50	-
Bandwidth at -30.0 dB	MHz	-	2.85	3.00
Spurious Response:				
from 30.00 to 36.26 MHz	dB	35	40	-
from 36.26 to 37.30 MHz	dB	33	37	-
from 40.60 to 41.40 MHz	dB	35	40	-
from 41.40 to 50.00 MHz	dB	35	38	-
In/Out Return Loss at f <sub>o</sub>	dB	-	-	-
Package type & size		T		
Length x Width	mm <sup>2</sup>	-	9.1X4.8	-
Height	mm <sup>2</sup>	-	-	1.5

**Notes :** (1) With Matching Network (Ref. Testing Environment Circuit as shown below).  
Those impedances could be modified with different impedance values and/or structures, if necessary.

## Package Outline



IN	2
Out	7
Ground	1,3,4,5,6
Out or Ground	8,9,10

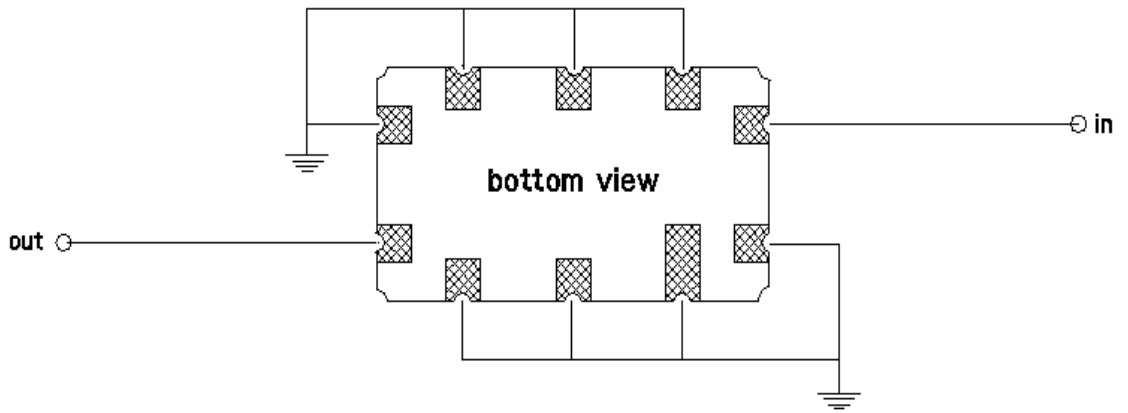
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SAW PRODUCTS

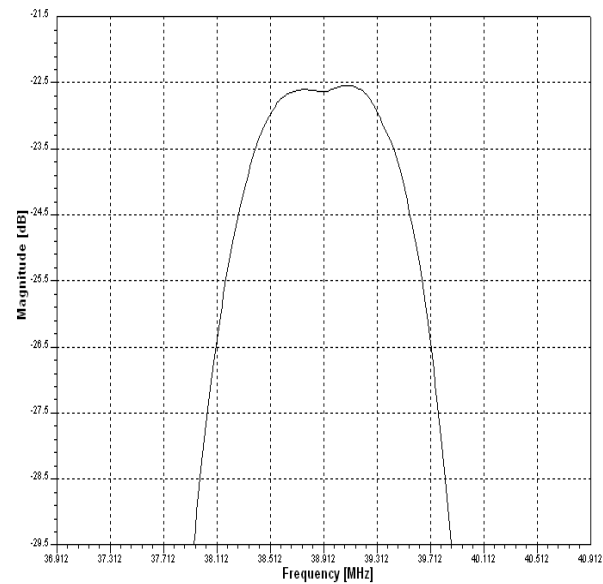
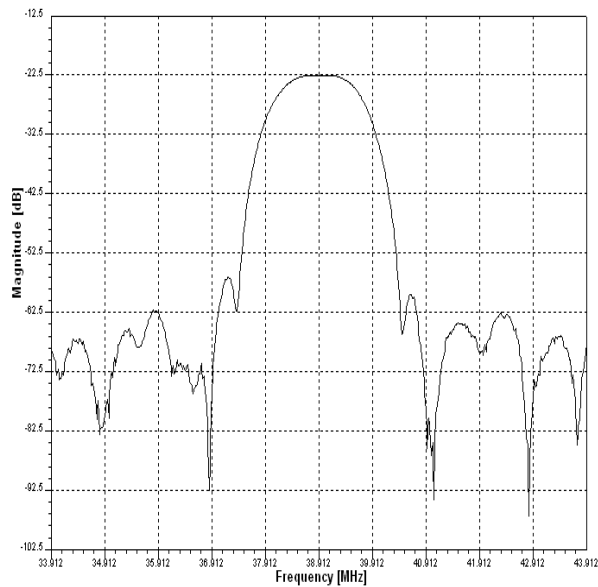
## Testing Environment

Source & Load Impedance: 50 Ω



Test Fixture & Values	
Input	-
Output	-

## Frequency Response



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