

85.38 MHz SAW Filter

162931

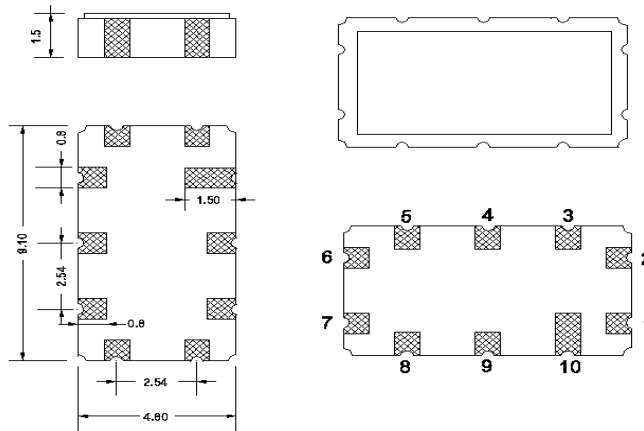
Specifications

Parameter	Unit	Min	Typical	Max
Center Frequency	MHz		85.38	
Insertion Loss at f_0	dB	-	9.7	12.5
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Substrate Material			Quartz	
Passband Ripple at $f_0 \pm 300$ KHz	dB	-	0.5	1.2
Phase Linearity at $f_0 \pm 630$ KHz	rms	-	2.0	4.0
Attenuation at :				
$f_0 + 630$ KHz	dB	-	3.5	5.0
$f_0 - 630$ KHz	dB	-	3.5	5.0
$f_0 + 900$ KHz	dB	33	37	-
$f_0 - 900$ KHz	dB	33	37	-
$f_0 + 1.7$ MHz	dB	35	39	-
$f_0 - 1.7$ MHz	dB	35	40	-
Package type & size		T		
Length x Width	mm ²	-	9.1 x 4.8	-
Height	mm	-	-	1.5

Notes : (1) With Matching Network (Ref. Testing Environment Circuit as shown below).

Component impedances can be modified with different impedance values and/or structures, if necessary.

Package Outline



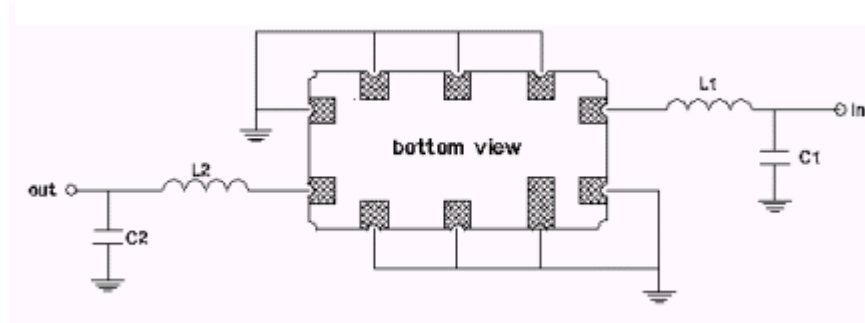
Pin Descriptions	
IN	2
OUT	7
GROUND	1,3,4,5,6,8,9,10

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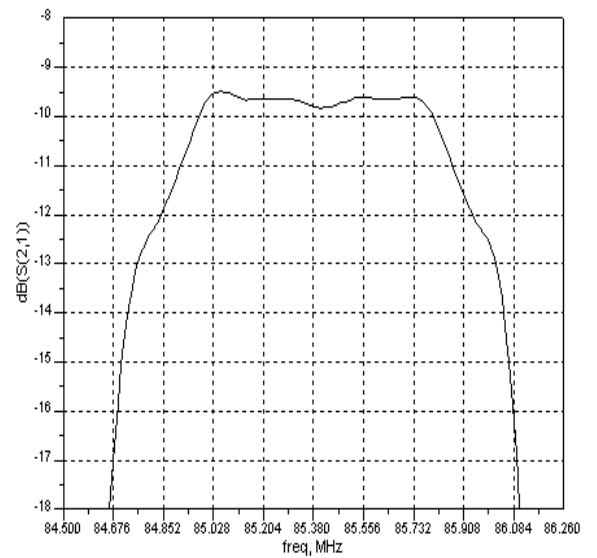
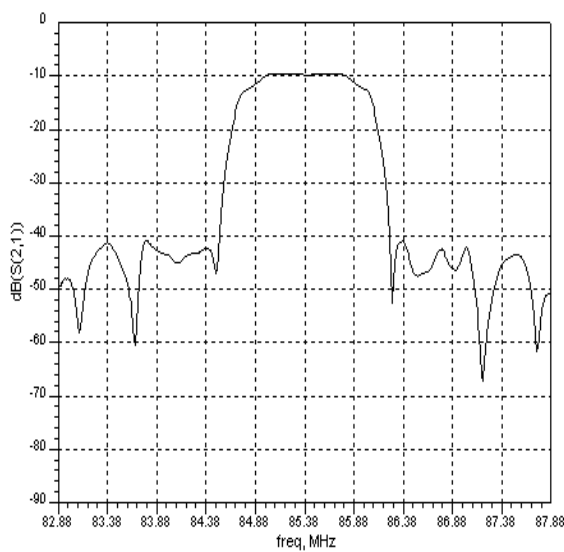
Testing Environment

Source & Load Impedance: 50 Ω



Test Fixture & Values	
Input	L1 : 390 nH, C1 : 51 pF
Output	L2 : 292 nH, C2 : 91 pF

Frequency Response



COM DEV SAW PRODUCTS