

70 MHz Low-Loss IF SAW Filter

162890

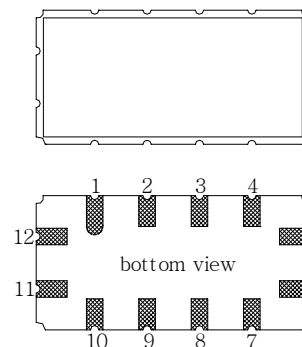
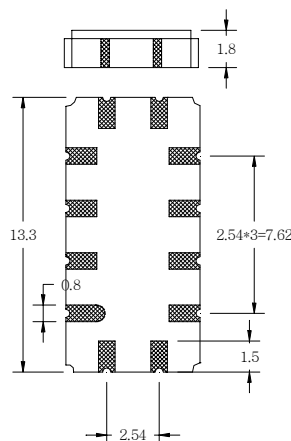
Specifications

Parameter	Unit	Min.	Typical	Max.
Center Frequency	MHz	69.8	70.0	70.2
Insertion Loss at f_0	dB	-	8.5	10.0
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Temperature Coefficient	ppm/ $^{\circ}$ C	-	-94	-
Amplitude Ripple within $f_0 \pm 1.5$ MHz	dB _{p-p}	-	0.8	1.0
-1dB Bandwidth	MHz		3.68	-
-3dB Bandwidth	MHz		4.46	-
-40dB Bandwidth	MHz	-	7.18	
Relative Attenuation:				
10 ~ 64.5 MHz	dB	40	45	-
74 ~ 140 MHz	dB	40	43	-
Group Delay Variation within $f_0 \pm 1.5$ MHz	ns	-	180	
Absolute Delay at f_0	μ s	-	1.0	-
IN/OUT Return Loss at f_0	dB	-	-	-
Package Type & Size		V		
Length X Width	mm ²	-	13.3 x 6.5	-
Height	mm	-	-	1.8

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



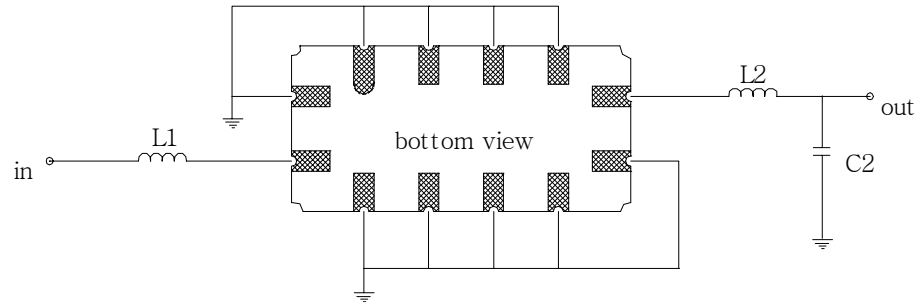
PIN Descriptions: IN – 11, OUT – 5,
GROUND – 1,2,3,4,6,7,8,9,10,12

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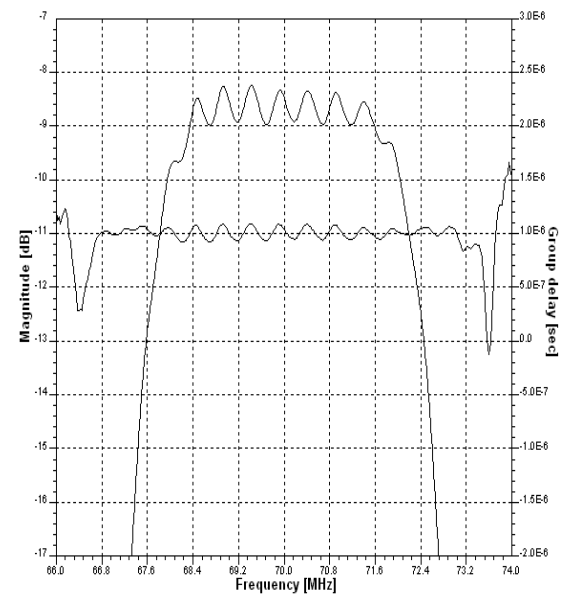
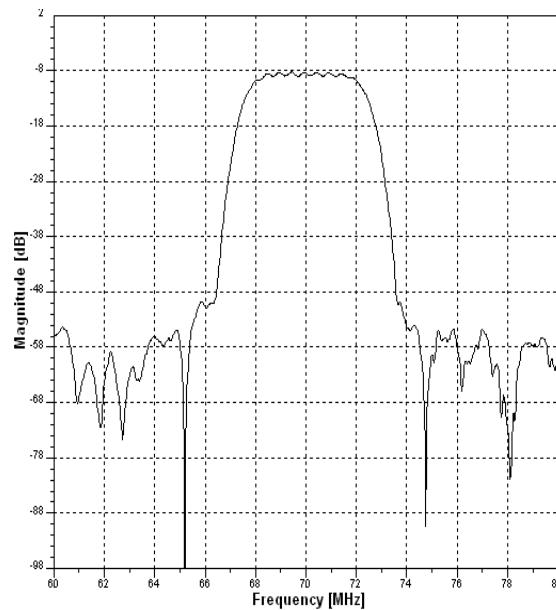
Testing Environment

Source & Load Impedance: 50 Ω



Test Fixture & Values	
Input	L1=220nH Q >40 ,
Output	L2=100nH Q.>40 , C2=22pF

Frequency Response



SAW PRODUCTS