

70 MHz Low-Loss IF SAW Filter

162912

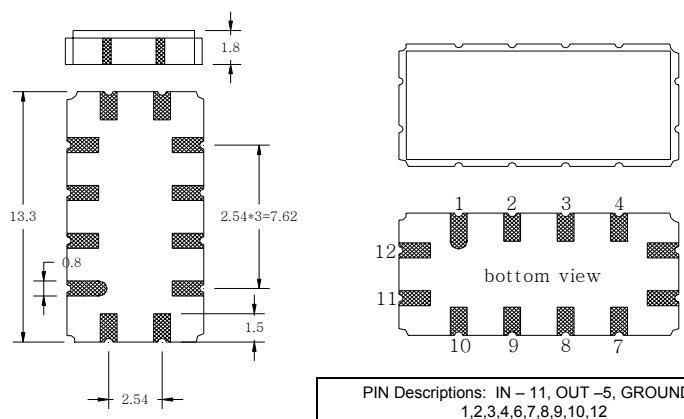
Specifications

Parameter	Unit	Min.	Typical	Max.
Centre Frequency (f_0)	MHz	69.8	70.0	70.2
Insertion Loss at f_0	dB	-	15.5	16.5
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Temperature Coefficient	ppm/ $^{\circ}$ C	-	-94	-
Amplitude Ripple within $f_0 \pm 8.2$ MHz	dB _{p-p}	-	0.5	1.0
-1dB Bandwidth	MHz	18.7	18.99	-
-3dB Bandwidth	MHz	19.7	20.05	-
-40dB Bandwidth	MHz	-	24.08	25.5
Relative Attenuation:				
10 ~ 57 MHz	dB	40	45	-
83 ~ 140 MHz	dB	40	45	-
Group Delay Variation within $f_0 \pm 8.2$ MHz	ns	-	25	50
Absolute Delay at f_0	μ s	-	0.85	-
IN/OUT Return Loss at f_0	dB	-	-	-
Package Type and 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

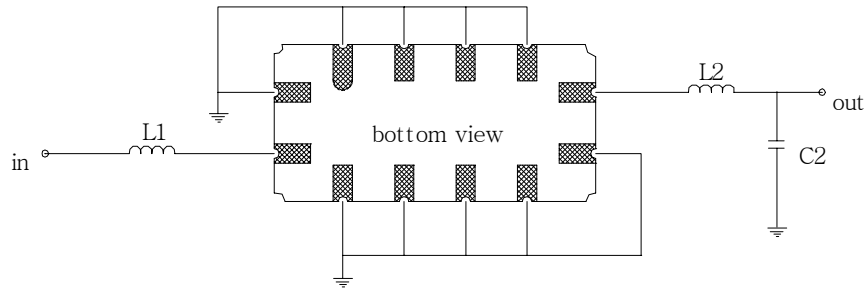
Package Outline



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Testing Environment

Source & Load Impedance: 50 Ω 

Test Fixture & Values	
Input	L1=68nH Q >40
Output	L2=270nH Q.>40 , C2=20pF

Frequency Response

