



## LBN7009L SAW Filter Technical Specification

S P  
LBN 7009L

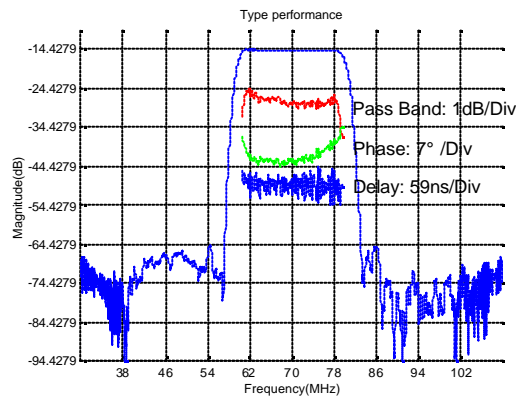
### Absolute Maximum Rating

Rating	Value
CW RF power Dissipation	+10dBm
DC Voltage between any 2 pins	± 30VDC
Operating Temperature	-10 to +50°C

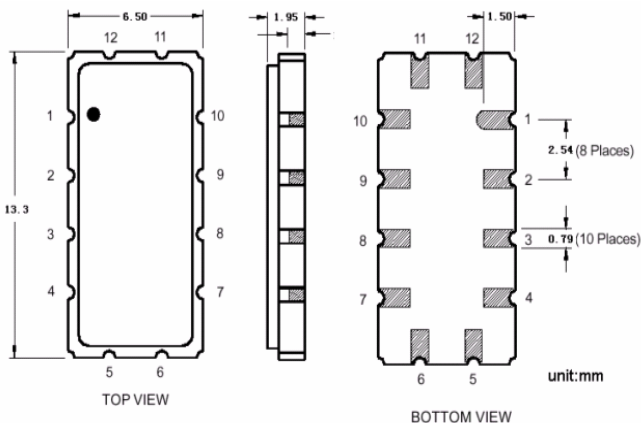
### Electrical Characteristic

Characteristic	Unit	Minimum	Typical	Maximum
Center Frequency (fo)	MHz	69.8	70	70.2
Insertion Loss	dB	---	14.43	15.5
Absolute Delay	µsec	---	1.1172	---
1 dB Bandwidth	MHz	18.9	18.917	---
3 dB Bandwidth	MHz	20	20.200	---
40 dB Bandwidth	MHz	---	25.216	26.1
Passband Ripple	dB	---	0.55	1
Phase Deviation from Linear	deg	---	7	11.2
Group Delay Ripple	nsec	---	59	90
Rej 'n (30 to 5 MHz)	dB	40	50	---
Rej 'n (84 to 110 MHz)	dB	40	50	---
Package	SMP-53			
Substrate Material	YZ LN			

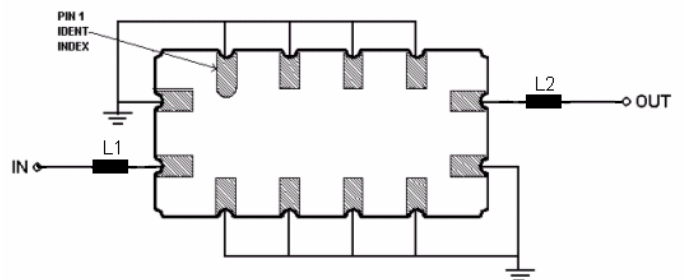
### Frequency Response



### Package Outline



### Matching Configuration



L1=120nH L2=100nH  
Source/Load Impedance= 50 Ω