



LBN7008L SAW Filter Technical Specification

Absolute Maximum Rating

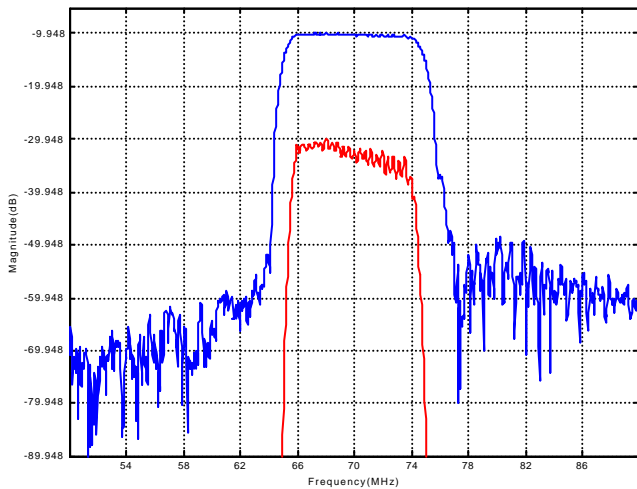
S P
LBN 7008L

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

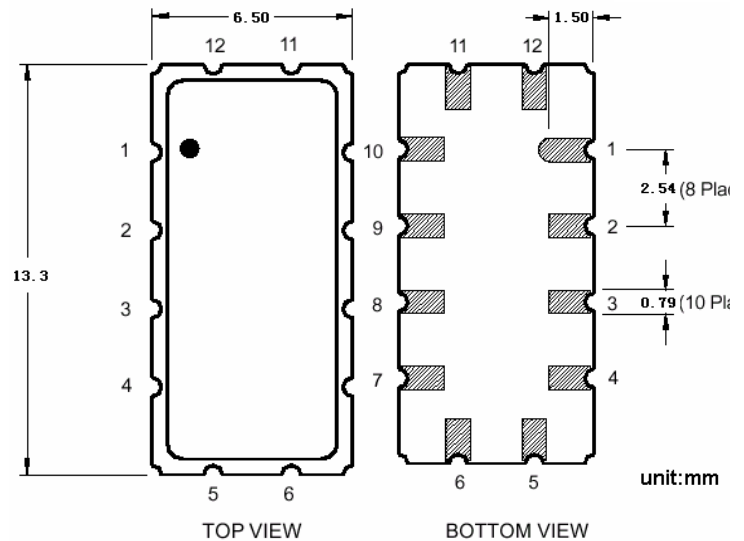
Electrical Characteristic

Characteristic	Unit	Minimum	Typical	Maximum
Center Frequency (f_0)	MHz	69.5	70	70.5
3dB Bandwidth	MHz	9.2	9.47	
40dB Bandwidth	MHz		12.68	12.8
Insertion Loss	dB		9.94	12
Amplitude Ripple	dB		0.8	1.2
Ultimate Rejection	dB	35	40	
Ambient Temperature	°C		25	
Package	SMP-53			
Substrate Material	YZ LN			

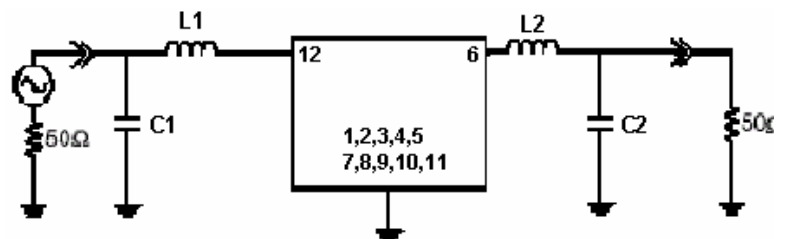
Frequency response



Package



Matching Schematic



$L1=L2=120\text{nH}$
 $C1=50\text{pF}$ $C2=50+30=80\text{pF}$

Electrical Connections

Connection		Terminals
Port 1	Input or Return	11
	Return or Input	12
Port 2	Output or Return	5
	Return or Output	6
Ground		All others
Single Ended Operation		Return is ground
Differential Operation		Return is hot