

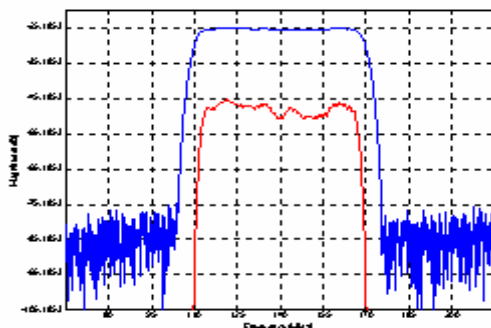


LBN14004 SAW Filter Electrical Characteristic

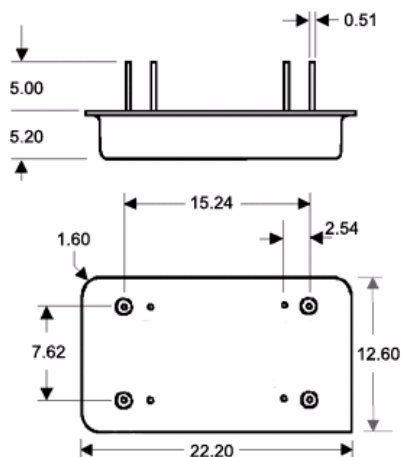
Specifications

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	139.65	140	140.35
Insertion Loss	dB		25.6	28.5
1 dB Bandwidth	MHz	47.5	55.65	
3 dB Bandwidth	MHz	56	58.47	
40dB Bandwidth	MHz		69.84	73.00
50dB Bandwidth	MHz		71.43	73.50
Passband variation	dB		0.6	1
Phase Linearity	degrees		5.4	10
Group Delay variation	nsec		15	40
Absolute Delay	usec		0.91	
Ultimate Rejection	dB	50	55	
Substrate Material	128 LiNbO ₃			
Ambient Temperature	°C	25		
Package Size	DIP2212 (22.1x12.7x5.2mm ³)			

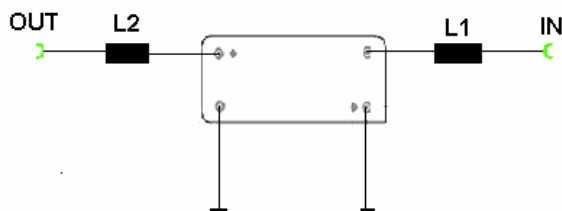
Typical Performance



Package Outline



Matching Configuration



$$L1=82+33=115\text{nH}$$

$$L2=47+150=197\text{nH}$$

Source/Load Impedance=50 ohm

Notes - Component values may change depending on board layout.