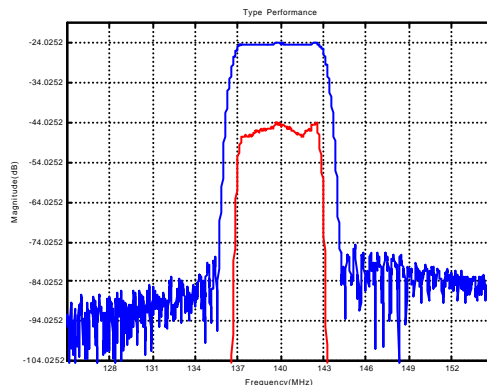




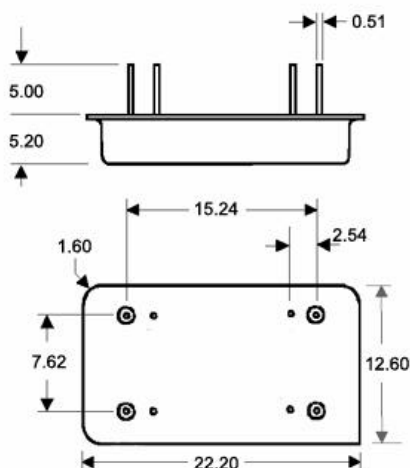
## LBS14021 SAW Filter Electrical Characteristic

<i>Specifications</i>				
Parameter	Unit	Minimum	Typical	Maximum
<b>Center Frequency</b>	MHz	139.8	140	140.2
<b>Insertion Loss</b>	dB		23.9	28
<b>1 dB Bandwidth</b>	MHz	5.6	5.84	
<b>3 dB Bandwidth</b>	MHz	6	6.3	
<b>40 dB Bandwidth</b>	MHz		8.14	8.4
<b>50 dB Bandwidth</b>	MHz		8.40	9.0
<b>Passband Variation</b>	dB		0.38	0.7
<b>Phase Linearity</b>	degrees		3	4
<b>Group Delay Variation</b>	nsec		27	110
<b>Absolute Delay</b>	usec		1.94	
<b>Ultimate Rejection</b>	dB	50	55	
<b>Substrate Material</b>		Quartz		
<b>Ambient Temperature</b>	°C	25		
<b>Center Frequency</b>	DIP2212 (22.1x12.7x5.2mm <sup>3</sup> )			

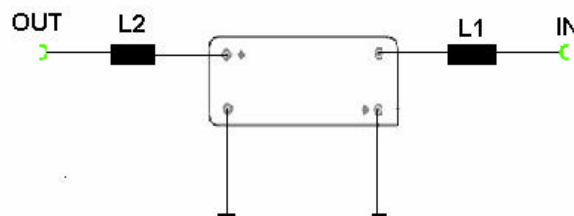
### *Typical Performance*



### *Package Outline*



### *Matching Configuration*



$$L1 = 180 + 330 = 510 \text{ nH}$$

$$L2 = 560 \text{ nH}$$

Source/Load Impedance = 50 ohm