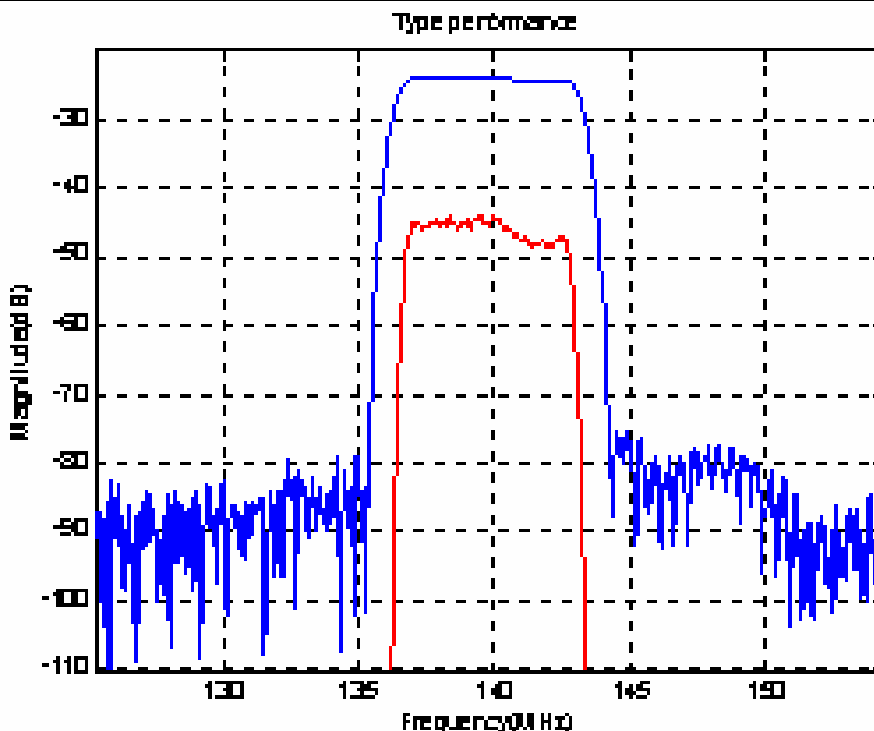




## SP LBS14021D SAW Filter Electrical Characteristic

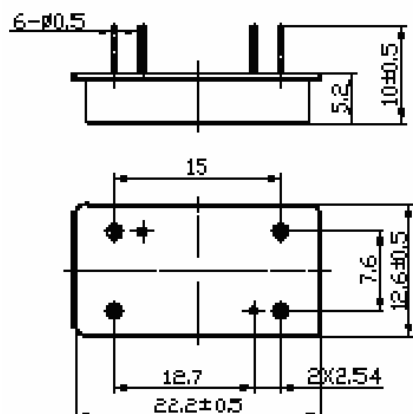
<i>Specifications</i>				
Parameter	Unit	Minimum	Typical	Maximum
<b>Center Frequency</b>	MHz	139.95	140	140.05
<b>Insertion Loss</b>	dB		23.6	26
<b>1 dB Bandwidth</b>	MHz	6.0	6.16	
<b>3 dB Bandwidth</b>	MHz		6.60	
<b>40dB Bandwidth</b>	MHz		8.59	8.7
<b>50dB Bandwidth</b>	MHz		8.85	
<b>Passband variation</b>	dB		0.5	1
<b>Phase Linearity</b>	degree		5.2	7
<b>Group Delay variation</b>	nsec		25	50
<b>Absolute Delay</b>	usec		2.23	
<b>Ultimate Rejection</b>	dB			
1. at 4.5 MHz		40	45	
2. at 6 MHz		50	55	
3. at 12 MHz		55	60	
1MHz to 275MHz			50	
<b>Substrate Material</b>	Quartz			
<b>Ambient Temperature</b>	° C	25		
<b>Package Size</b>	DIP2212(22.2x12.6x5.2mm <sup>3</sup> )			

### *Typical Performance*

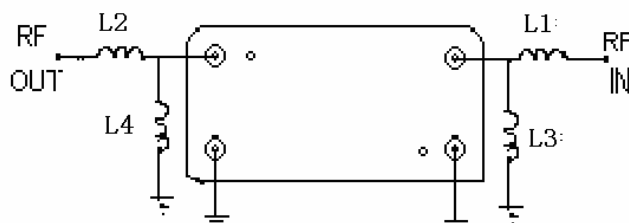




## Package Outline



## Matching Configuration



L1=248nH L2=248nH  
L3=120nH L4=100nH

Source/Load Impedance=50 ohm

Notes - Component values may change depending  
on board layout.