

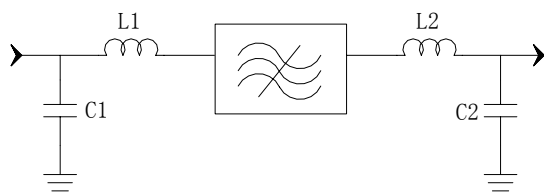
### Specifications

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz		267.5	
Insertion Loss	dB		14.3	16
1 dB Bandwidth	MHz	35	38.4	
3 dB Bandwidth	MHz		40.08	
40 dB Bandwidth	MHz		48.85	70
Passband Variation	dB		1	2
Ultimate Rejection( $f_0 \pm 35\text{MHz}$ )	dB	35	38	
Group Delay Variation	nsec		60	
Substrate Material			YZ	
Ambient Temperature	°C		25	
Package Size		SMD0705A (7x5x1.6mm <sup>3</sup> )		

#### Notes:

1. All specifications are based on the test circuit shown
2. In production, devices will be tested at room temperature to a guardbanded specification to ensure electrical compliance over temperature
3. Electrical margin has been built into the design to account for the variations due to temperature drift and manufacturing tolerances
4. This is the optimum impedance in order to achieve the performance show

### Matching Configuration



**L1=33nH L2=22+22nH**  
**C1=15pF C2=15pF**

**Source/Load Impedance=50 ohm**

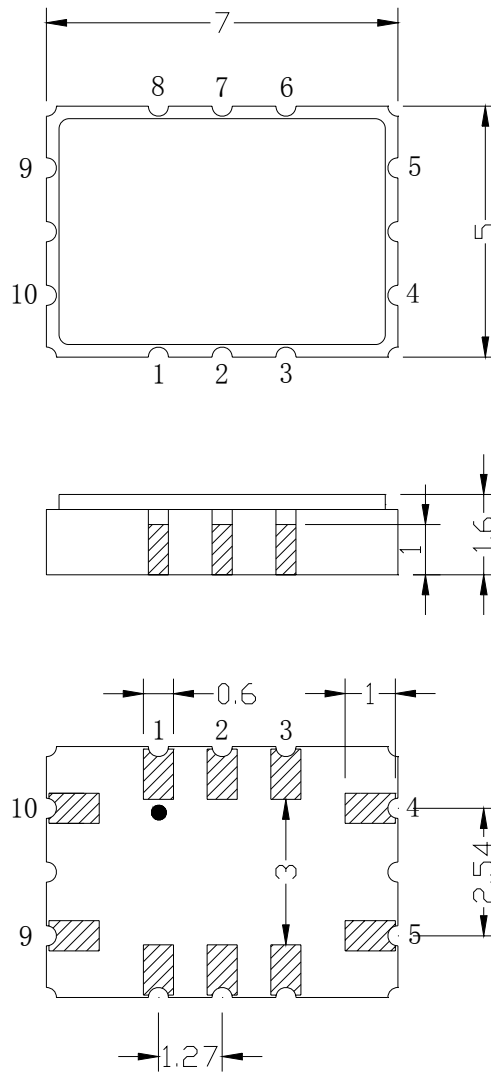
Notes - Component values may change depending on board layout.



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Part Number	LB267DS01	
Rev. Date	2005-6-27	
Rev.	4.0	Page 1/3

*Package Dimension*



**Input:9**  
**Output:4**

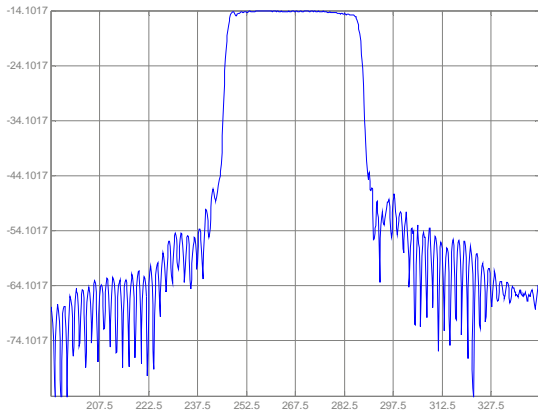


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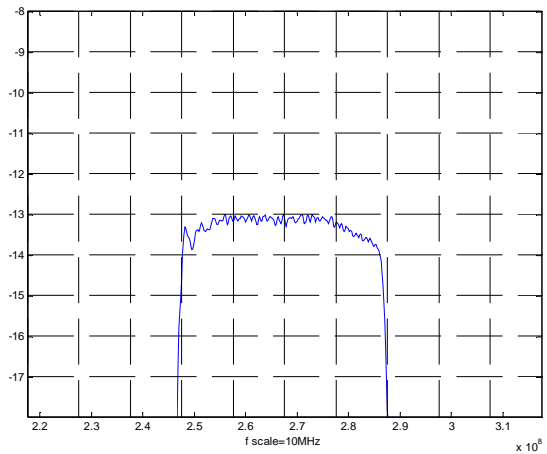
Part Number	LB267DS01	
Rev. Date	2005-6-27	
Rev.	4.0	Page 2/3

*Typical Performance*

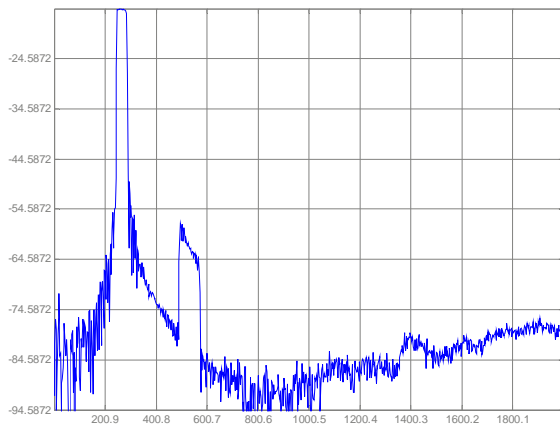
Frequency Respond



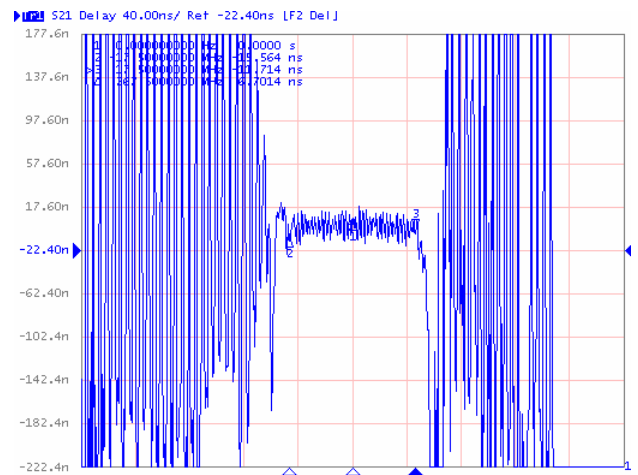
Passband Respond



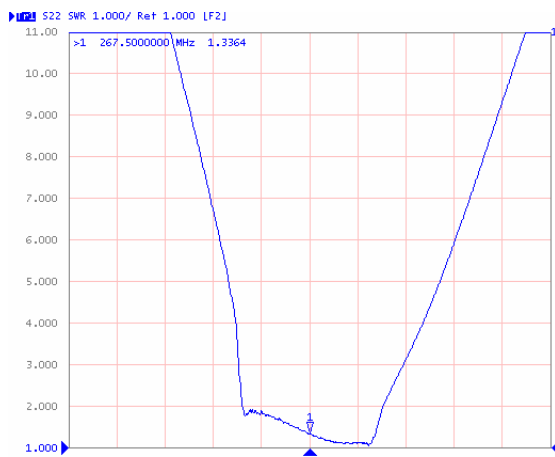
Wideband Respond



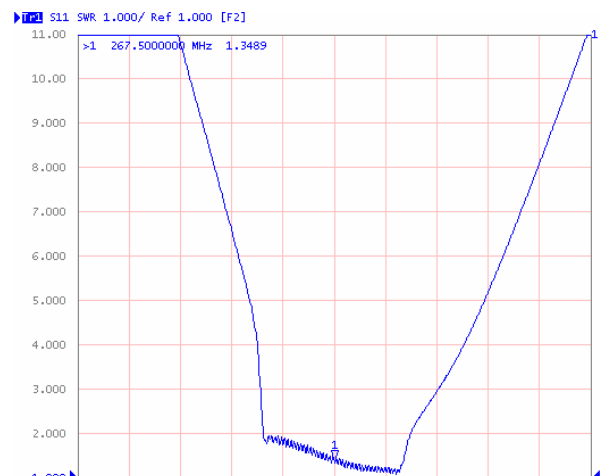
Group delay variation( $f_0 \pm 17.5\text{MHz}$ )



VSWR S11



VSWR S22



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Page 3/3