



### Features


- ◇ For IF SAW filter
- ◇ High attenuation
- ◇ Single-ended operation
- ◇ Dual In-line Package
- ◇ RoHS compliant (2002/95/EC), Pb-free

### Specifications

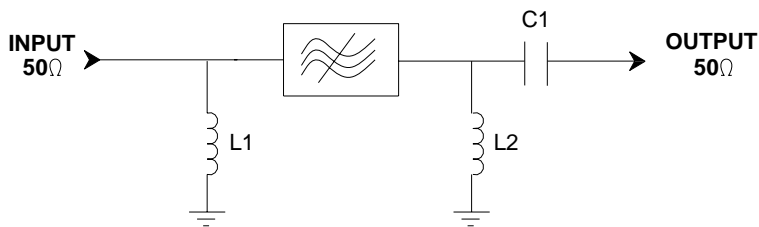
Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	36.07	36.1	36.13
Insertion Loss	dB	-	28.5	30
1 dB Bandwidth	MHz	7.6	7.69	-
3 dB Bandwidth	MHz	-	7.84	-
40 dB Bandwidth	MHz	-	8.43	8.45
50 dB Bandwidth	MHz	-	8.48	10
Passband Variation	dB	-	0.7	1
Absolute Delay	usec	-	4.9	5
Group Delay Variation( $f_0 \pm 3.5\text{MHz}$ )	nsec	-	90	100
Ultimate Rejection	dB	45	46	-
Material Temperature coefficient	KHz/°C	-3.4		
Substrate Material	-	YZ LN		
Ambient Temperature	°C	25		
DC Voltage	V	0		
Input Power	dBm	-	-	10
ESD Class	-	1A		
Package Size	DIP3825(38.1x25.4x5.1)			

#### Notes:

1. All specifications are based on the test circuit shown;
2. In production, all specifications are measured by Agilent Network analyzer and full 2 port calibration at room 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.

	<b>SIPAT Co., Ltd.</b> ( CETC No.26 Research Institute ) #14 Nanping Huayuan Road, Chongqing, China, 400060	Part Number	LBN03603	
		Rev. Date	2011-07-19	
		Ver.	1.3	Page

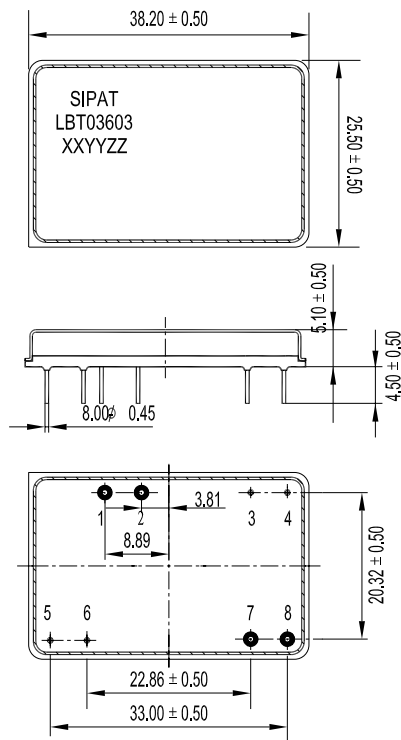
### Matching Configuration



**L1=L2=270nH**  
**C1=82pF**  
**Source/Load Impedance=50 ohm**

Notes - Component values may change depending on board layout.

### Package Dimension



#### Pad Configuration:

Input 1  
Output 7  
Ground 2,3,4,5,6,8

#### Marking Configuration:

- 1) SIPAT: Manufacturer Name
- 2) LBT03603: Part Number
- 3) XXYY: Date(Year/month)
- 4) ZZ: Identified Code

Package: DIP3825

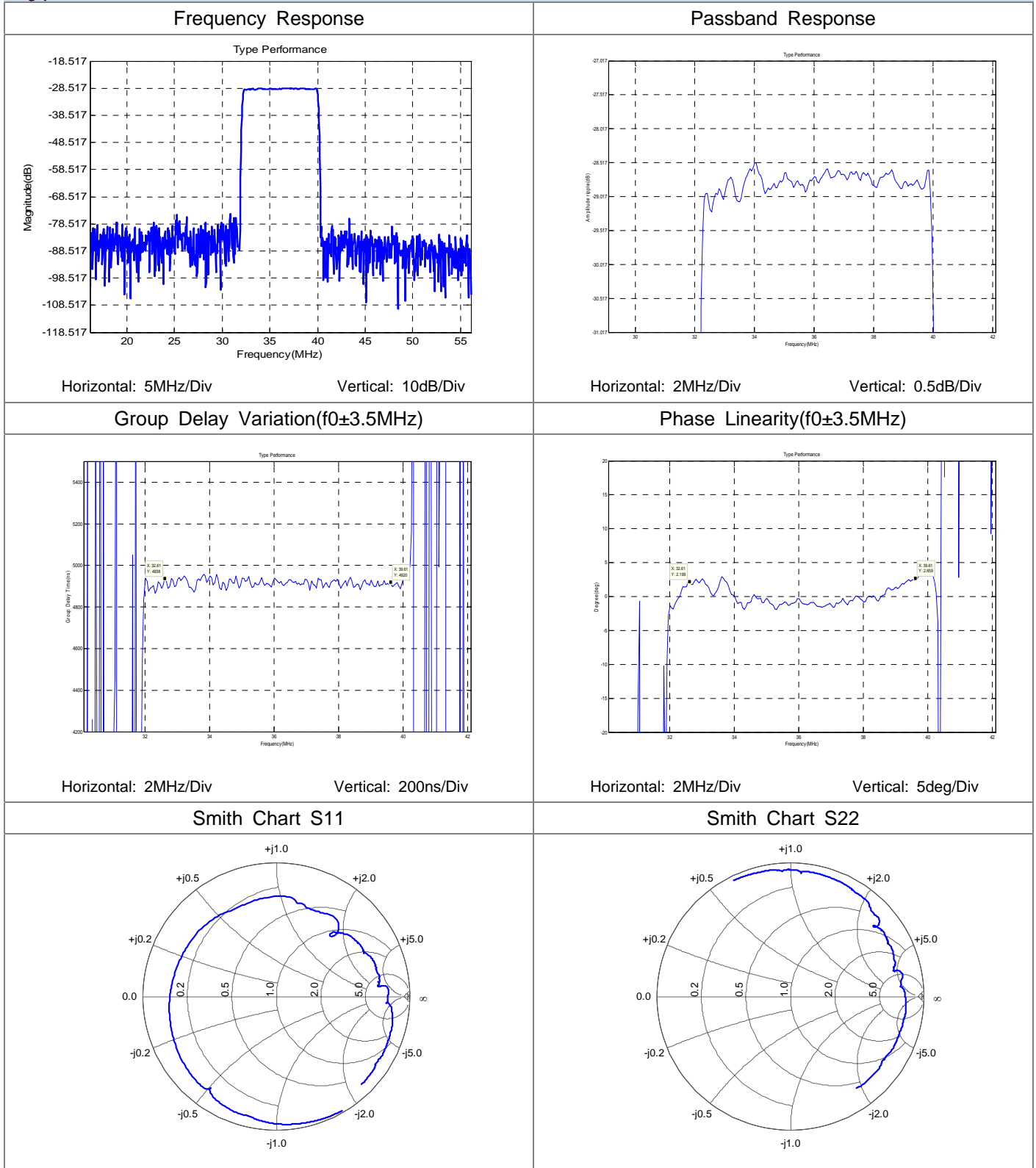
Unit: mm



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Typical Performance



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Rev. Date	2011-07-19	
Ver.	1.3	Page 3/3