



Features

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

Specifications

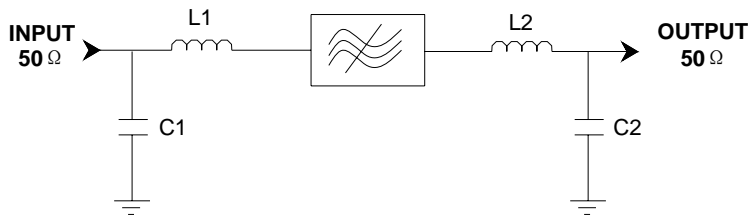
Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	136.6	136.7	136.8
Insertion Loss	dB	-	23.8	28
1 dB Bandwidth	MHz	2.95	3.04	-
3 dB Bandwidth	MHz	3.2	3.23	-
30 dB Bandwidth	MHz	-	3.82	3.85
40 dB Bandwidth	MHz	-	3.9	-
45 dB Bandwidth	MHz	-	3.93	-
50 dB Bandwidth	MHz	-	3.96	-
Passband Variation	dB	-	0.5	1
Absolute Delay	usec	-	3.8	4
Ultimate Rejection($f_0 \pm 10\text{MHz}$)	dB	55	57	-
Material Temperature coefficient	KHz/°C	0.14		
Substrate Material	-	Qz		
Ambient Temperature	°C	25		
DC Voltage	V	0		
Input Power	dBm	-	-	10
ESD Class	-	1C		
Package Size	DIP3512 (35.0x12.8x4.7mm3)			

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.

	SIPAT Co., Ltd. (CETC No.26 Research Institute) #14 Nanping Huayuan Road, Chongqing, China, 400060	Part Number	LBS13703	
		Rev. Date	2011-03-09	
		Ver.	1.0	Page 1/3

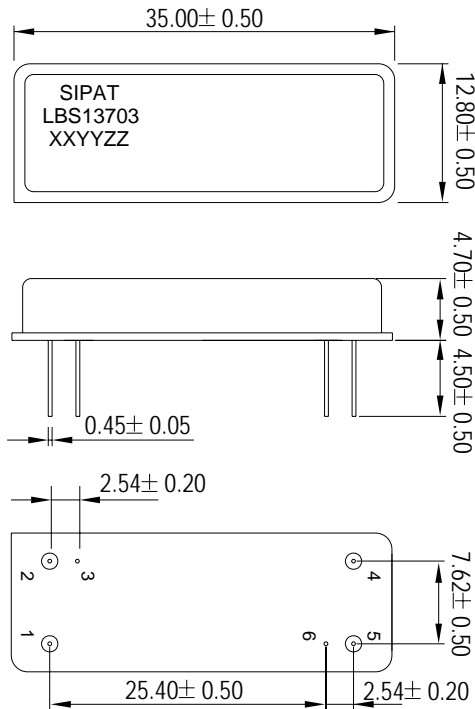
Matching Configuration



L1=68nH L2=47nH
C1=47pF C2=56pF
Source/Load Impedance=50 ohm

Notes - Component values may change depending
on board layout.

Package Dimension



Pad Configuration:

Input 1
Output 5
Ground All Others

Marking Configuration:

- 1) SIPAT: Manufacturer Name
- 2) LBS13703: Part Number
- 3) XXYY: Date(Year/month)
- 4) ZZ: Identified Code

Package: DIP3512

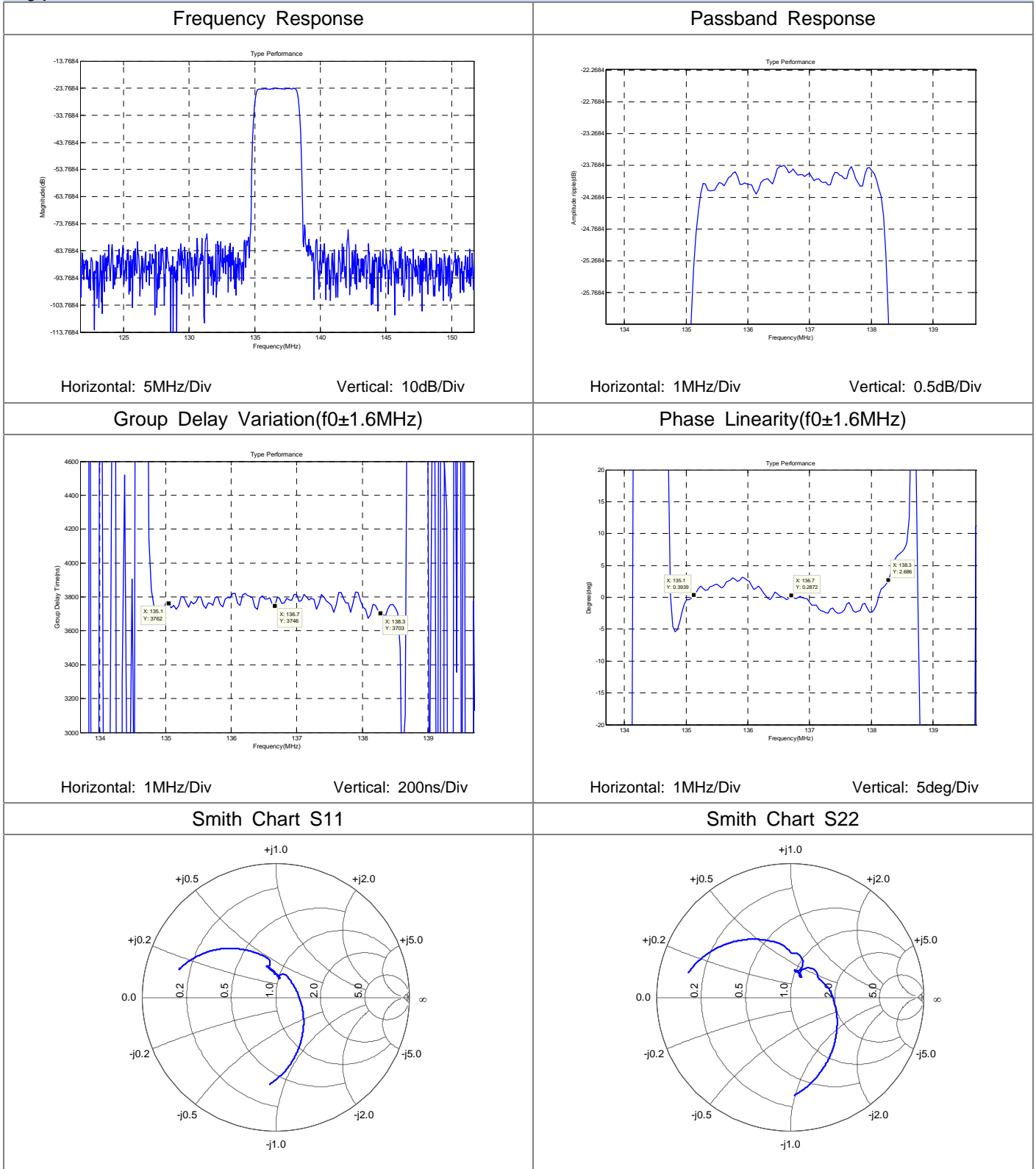
Unit: mm



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Typical Performance



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