



Features


- ◇ For IF SAW filter
- ◇ High attenuation
- ◇ Single-ended operation
- ◇ Dual In-line Package
- ◇ No matching required for operation at 50Ω
- ◇ RoHS compliant (2002/95/EC), Pb-free

Specifications

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	89.9	90	90.1
Insertion Loss	dB	-	25	29
1.5 dB Bandwidth	MHz	-	12.61	-
3 dB Bandwidth	MHz	12.7	12.78	-
30 dB Bandwidth	MHz	-	13.53	13.6
40 dB Bandwidth	MHz	-	13.64	13.8
45 dB Bandwidth	MHz	-	13.67	14
Passband Variation	dB	-	0.7	1.5
Absolute Delay	usec	-	3.1	-
Ultimate Rejection($f_0 \pm 15\text{MHz}$)	dB	55	56	-
Material Temperature coefficient	KHz/°C	-8.5		
Substrate Material	-	YZ LN		
Ambient Temperature	°C	25		
Operating Temperature Range	°C	-25	-	+85
Storage Temperature Range	°C	-45	-	+85
DC Voltage	V	0		
Input Power	dBm	-	-	10
ESD Class	-	1A		
Package Size	DIP3512 (35.0x12.8x4.7)			

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	LBN09033	
		Rev. Date	2011-08-16	
		Ver.	1.0	Page

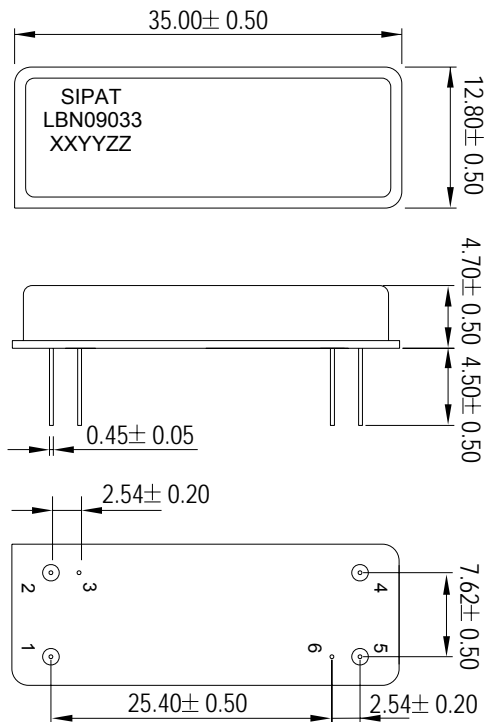
Matching Configuration



Source/Load Impedance=50 ohm

Notes - Component values may change depending on board layout.

Package Dimension



Pad Configuration:

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

Marking Configuration:

- 1) SIPAT: Manufacturer Name
- 2) LBN09033: Part Number
- 3) XXYY: Date(Year/month)
- 4) ZZ: Identified Code

Package: DIP3512

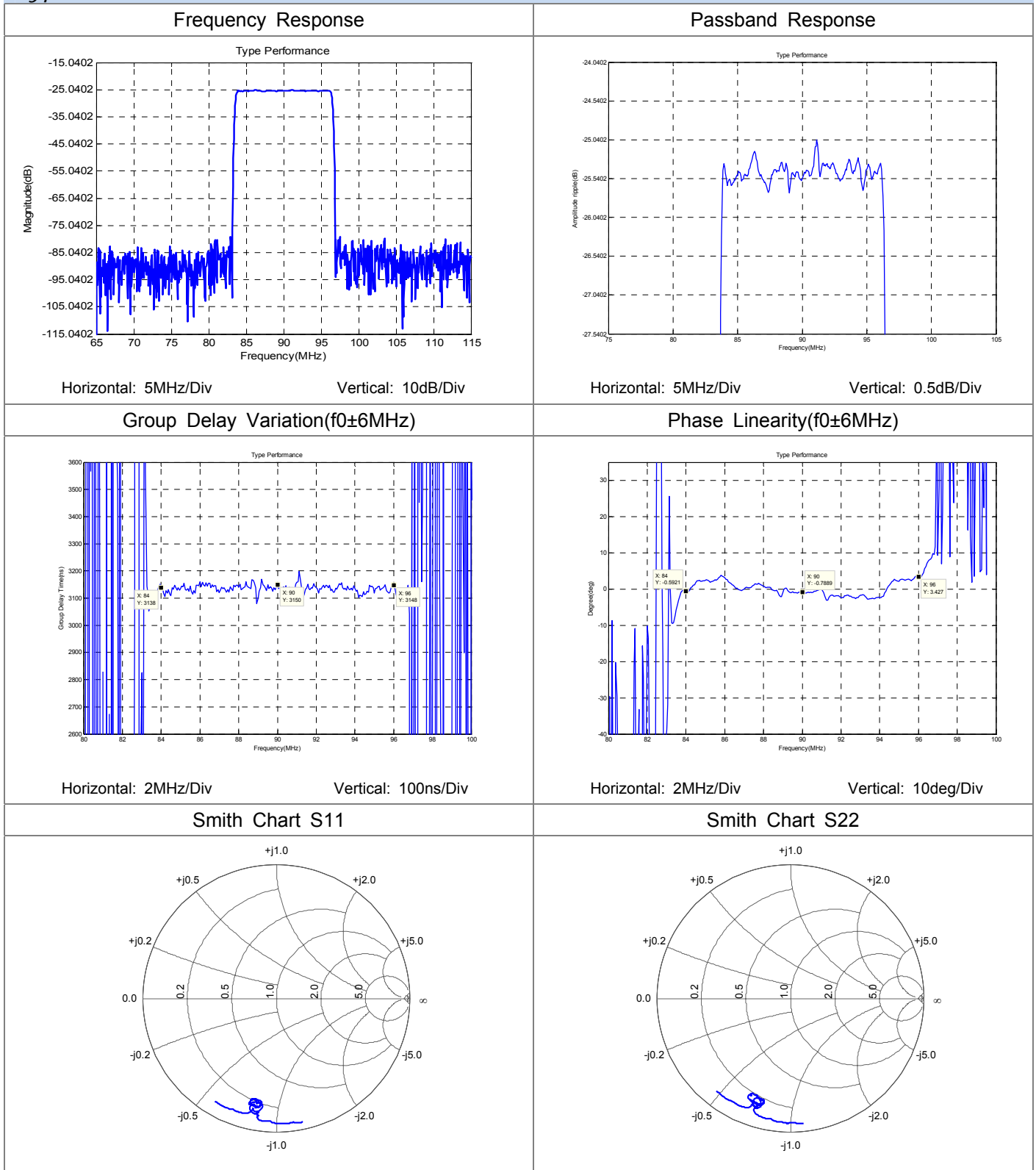
Unit: mm



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Typical Performance



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