



### 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

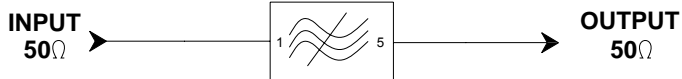
Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	239.7	240	240.3
Insertion Loss	dB	-	34.1	35
1.5 dB Bandwidth	MHz	-	59.1	-
3 dB Bandwidth	MHz	59.4	59.43	-
12dB Bandwidth	MHz	-	60.38	-
25dB Bandwidth	MHz	-	61.05	61.2
45dB Bandwidth	MHz	-	62.55	-
Passband Variation	dB	-	0.7	1.5
Absolute Delay	usec	-	1.3	-
Ultimate Rejection( $f_0 \pm 35\text{MHz}$ )	dB	35	38	-
Material Temperature coefficient	KHz/°C	-22.6		
Substrate Material	-	YZ LN		
Ambient Temperature	°C	25		
Operating Temperature Range	°C	-25	-	+85
DC Voltage	V	0		
Input Power	dBm	-	-	10
ESD Class	-	1A		
Package Size	DIP2212 (22.2x12.8x4.7mm <sup>3</sup> )			

#### 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	LBN24005	
		Rev. Date	2011-05-23	
		Ver.	1.0	Page 1/3

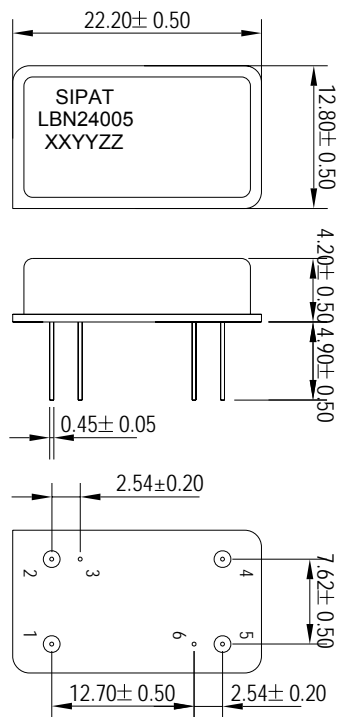
### Matching Configuration



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) LBN24005: Part Number
- 3) XXYY: Date(Year/month)
- 4) ZZ: Identified Code

Package: DIP2212

Unit: mm

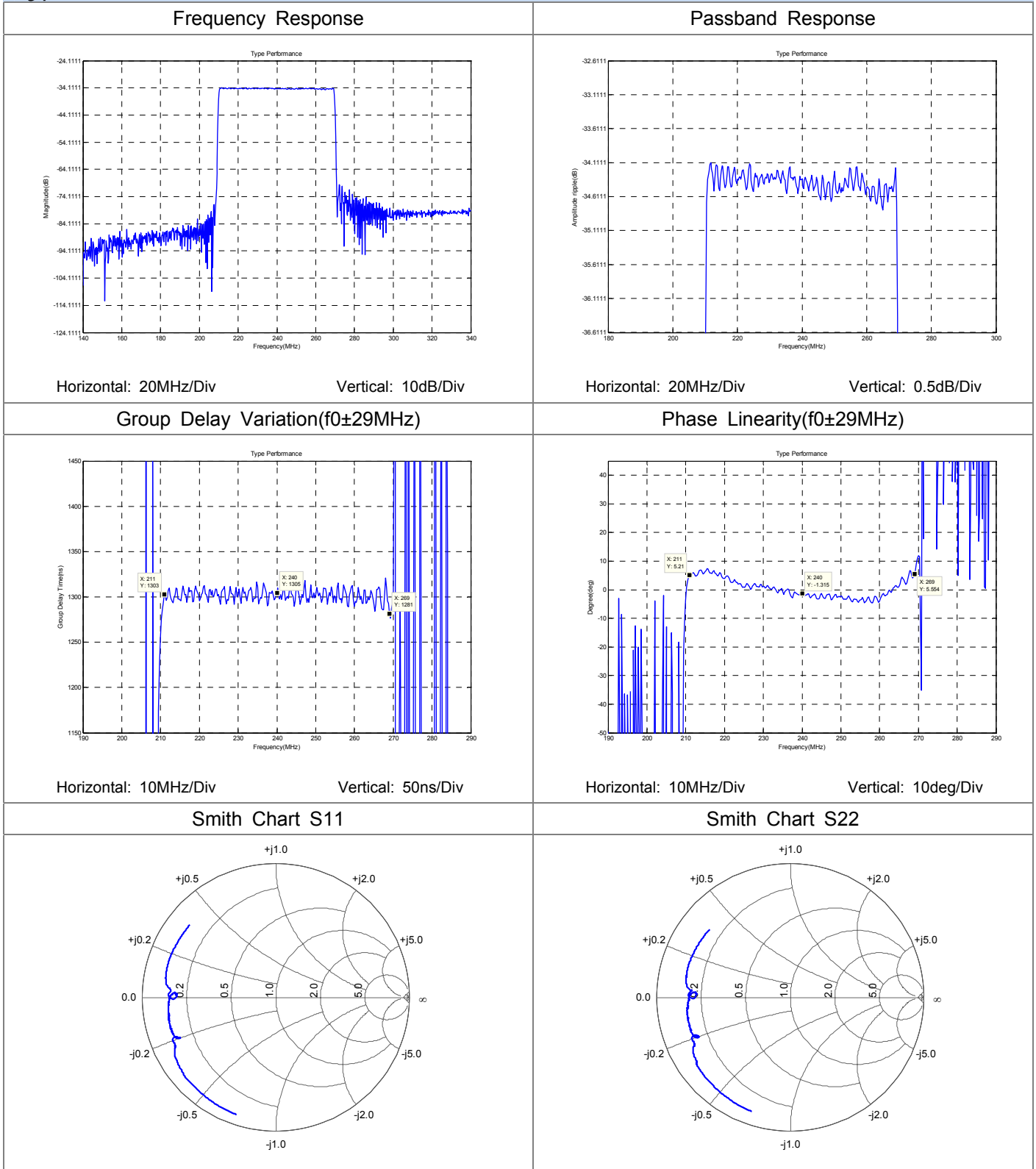


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Typical Performance



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