



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
<i>Center Frequency</i>	MHz	99.85	100	100.15
<i>Insertion Loss</i>	dB	-	19.2	24
<i>3dB Bandwidth</i>	MHz	9.3	9.52	-
<i>10dB Bandwidth</i>	MHz	-	10.31	10.6
<i>25dB Bandwidth</i>		-	11.10	12.2
<i>35dB Bandwidth</i>	MHz	-	11.40	14.0
<i>45dB Bandwidth</i>	MHz	-	11.60	16.0
<i>Passband Variation</i>	dB	-	0.5	1.5
<i>Ultimate Rejection</i>	dB	50	55	-
<i>Absolute Delay</i>	usec	-	1.56	4.0
<i>Material Temperature coefficient</i>	KHz/°C	-9.4		
<i>Substrate Material</i>	-	YZ-LN		
<i>Ambient Temperature</i>	°C	25		
<i>Operating Temperature Range</i>	°C	-25	-	+85
<i>DC Voltage</i>	V	0		
<i>Input Power</i>	dBm	-	-	10
<i>ESD Class</i>	-	1A		
<i>Package Size</i>	DIP2212 (22.0x12.8x4.7)			

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	LBN10016	
		Rev. Date	2013-09-04	
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Matching Configuration

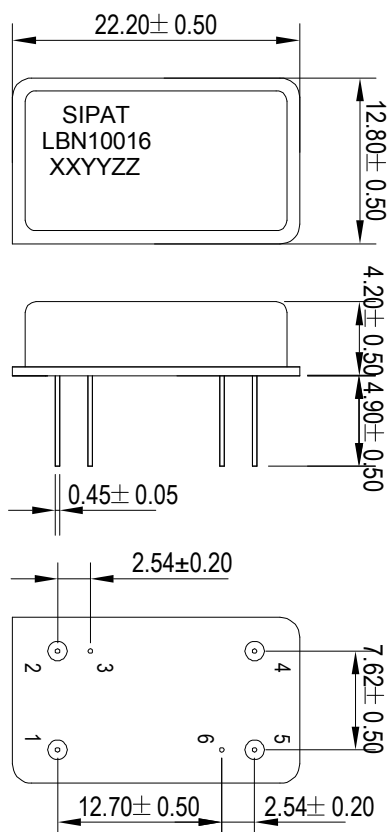
手动测试座

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) LBN10016: Part Number
- 3) XXYY: Date(Year/month)
- 4) ZZ: Identified Code

Package: DIP2212

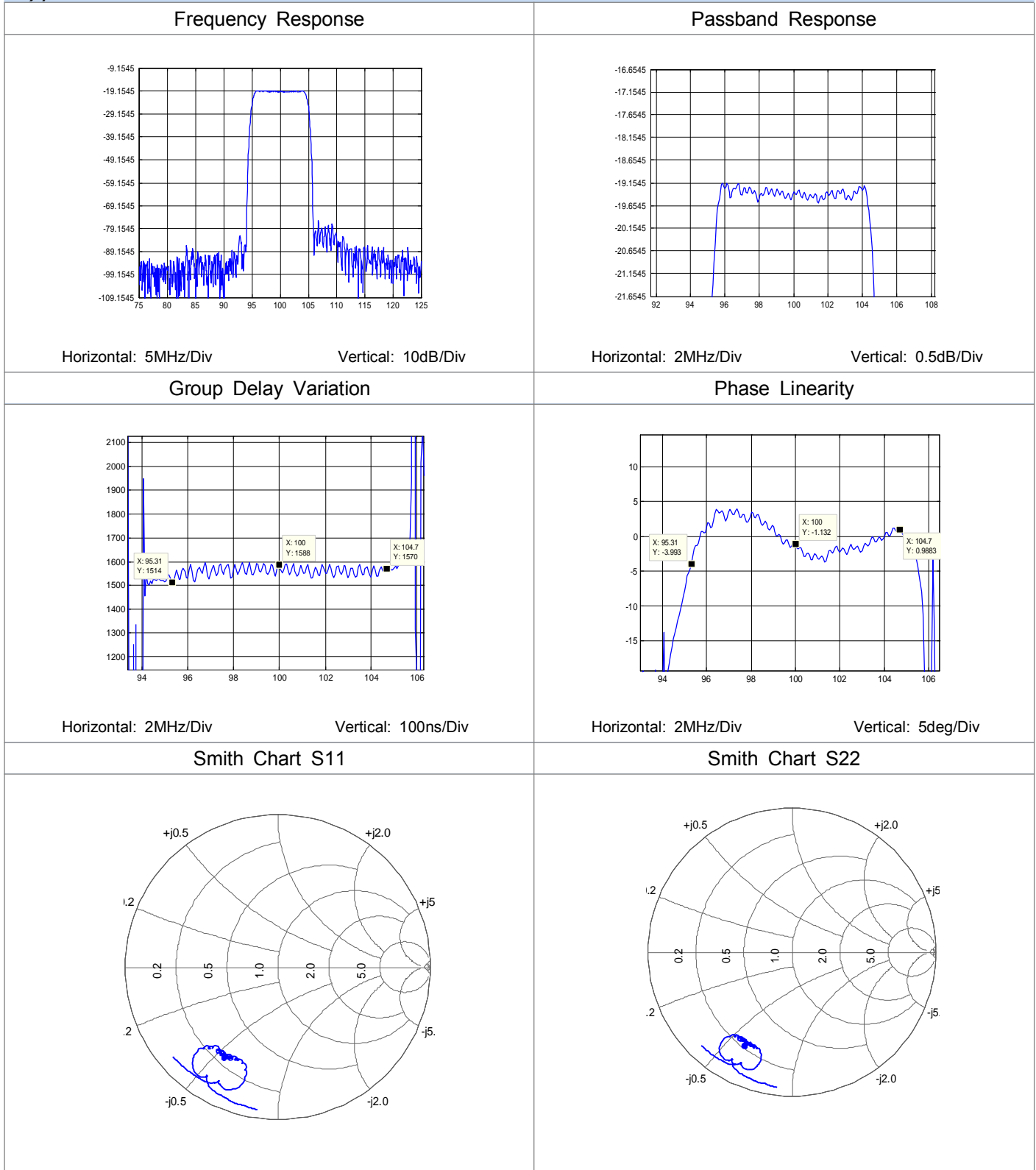
Unit: mm



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Typical Performance



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