



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	101.85	102	102.15
Insertion Loss	dB	-	23	25.5
1 dB Bandwidth	MHz	9.16	9.28	-
35 dB Bandwidth	MHz	-	10.26	10.4
Amplitude ripple (+/-4.5MHz)	dB	-	0.7	1.2
Group Delay Variation (+4.5MHz)	ns		145.6	200
Absolute Delay	usec	-	2.51	-
Ultimate Rejection	(f0±5.2MHz)	dB	30	40
	(f0±6MHz)	dB	42	45
	(f0±10MHz)	dB	45	46
Material Temperature coefficient	KHz/°C		-1.84	
Substrate Material	-		112LT	
Ambient Temperature	°C		25	
Operating Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-45	-	+85
Input Power	dBm	-	-	10
ESD Class	-		1A	
Package Size		DIP2012 (20.1x12.8x4.7mm3)		

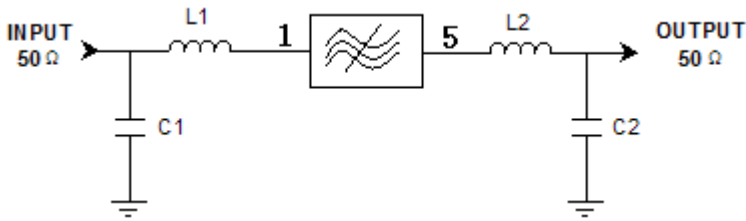
Notes:

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	LBT10201	
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Matching Configuration

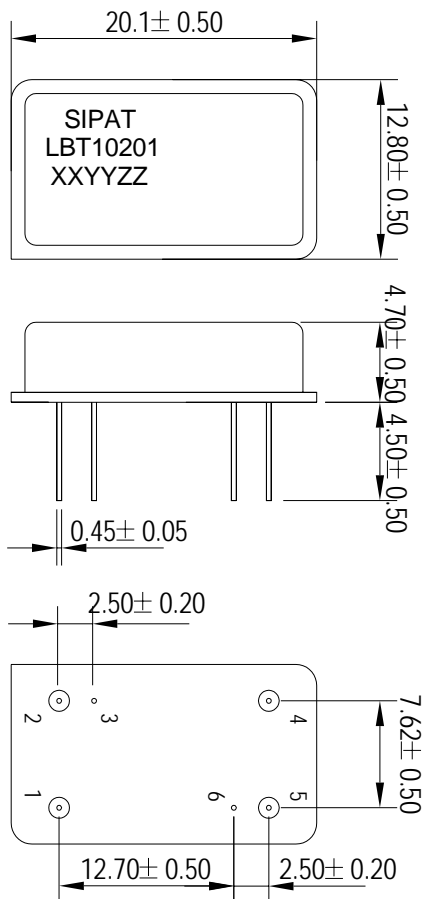
手动测试座:



L1=82nH L2=68nH
C1=39pF 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 2、3、4、6

Marking Configuration:

- 1) SIPAT: Manufacturer Name
- 2) LBT10201: Part Number
- 3) XXYY: Date(Year/month)
- 4) ZZ: Identified Code

Package: DIP2012

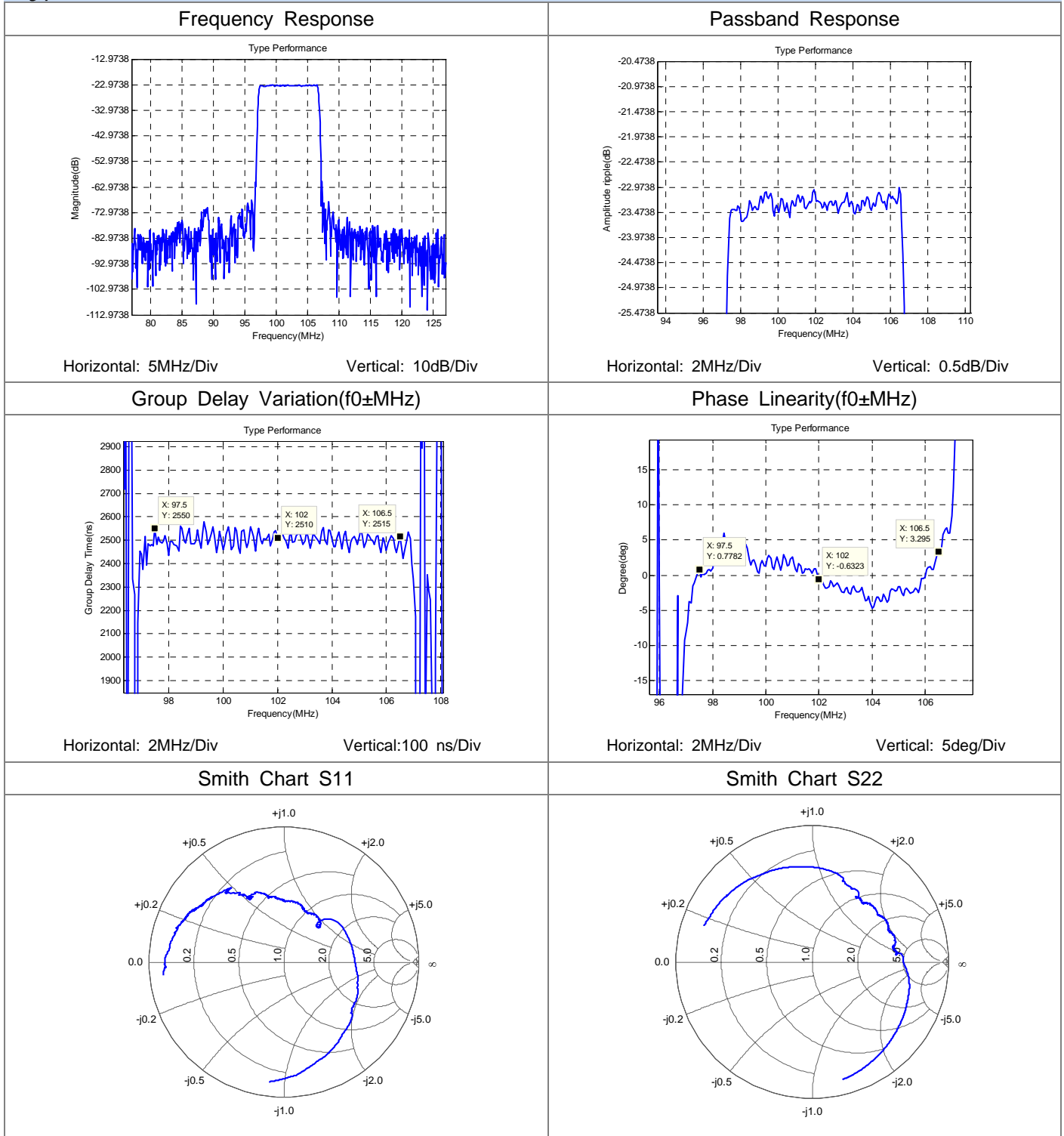
Unit: mm



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Typical Performance



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