



Features


- ◇ For IF SAW filter
- ◇ Single-ended operation
- ◇ Ceramic Surface Mount Package
- ◇ Small size
- ◇ RoHS compliant (2002/95/EC), Pb-free

Specifications

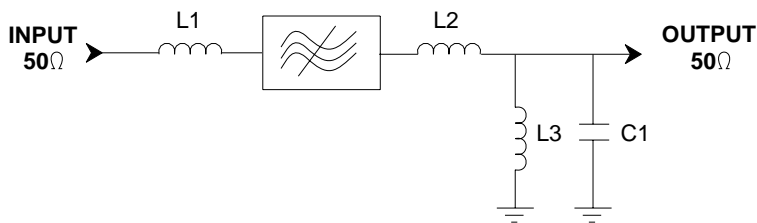
Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	-	153.6	-
Insertion Loss	dB	-	9.4	12
1 dB Bandwidth	MHz	25	27.5	-
3 dB Bandwidth	MHz	-	29.6	-
12 dB Bandwidth	MHz	-	33	35
30 dB Bandwidth	MHz	-	35.4	40
Passband Variation	dB	-	0.6	1.2
Absolute Delay	usec	-	0.5	1
Group Delay Variation($f_0 \pm 12.5\text{MHz}$)	nsec	-	40	120
Ultimate Rejection	10~120MHz	dB	45	-
	120~130MHz	dB	35	-
	180~190MHz	dB	35	-
	190~1000MHz	dB	45	-
Material Temperature coefficient	KHz/°C	-12.6		
Substrate Material	-	128LN		
Ambient Temperature	°C	25		
Operating Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-45	-	+105
DC Voltage	V	0		
Input Power	dBm	-	-	10
ESD Class	-	1A		
Package Size	SMD7.0*5.0			

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	LBN15404	
		Rev. Date	2009-09-07	
		Ver.	1.0	Page 1/3

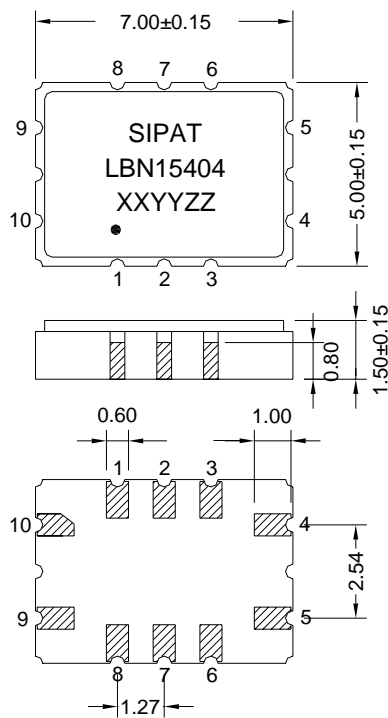
Matching Configuration



$L1 = (120 + 12)nH$ $L2 = 120nH$
 $L3 = 68nH$ $C1 = 22pF$
Source/Load Impedance = 50 ohm

Notes - Component values may change depending
on board layout.

Package Dimension



Pad Configuration:

Input: 9
Output: 4
Ground: All Others

Marking Configuration:

- 1) •: Pad Number 1 Index
- 2) SIPAT: Manufacturer Name
- 3) LBN15404: Part Number
- 4) XXYY: Date (Year/month)
- 5) ZZ: Identified Code

Package: SMD7.0*5.0

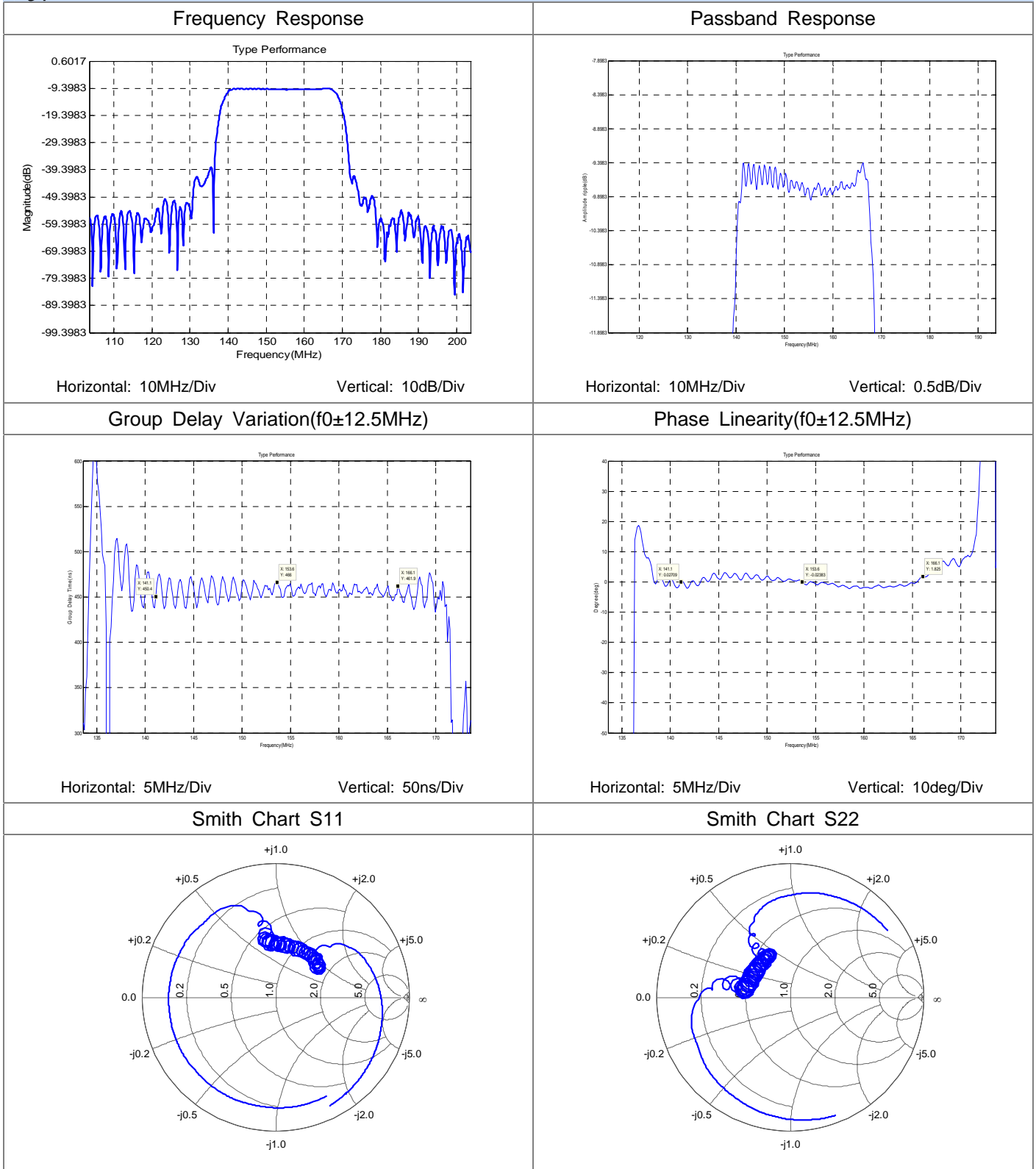
Unit: mm



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Typical Performance



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