



Features

- ◇ For IF SAW filter
- ◇ High attenuation
- ◇ Single-ended operation
- ◇ Dual In-line Package
- ◇ RoHS compliant (2002/95/EC), Pb-free

Specifications

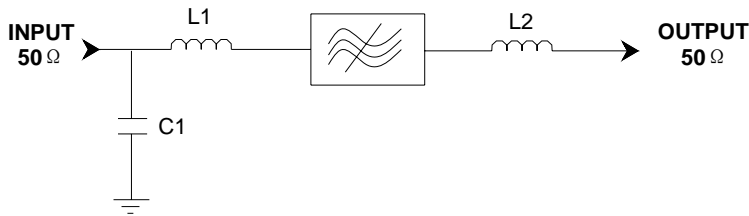
Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	64.9	65	65.1
Insertion Loss	dB	-	23.4	27
1 dB Bandwidth	MHz	-	3.78	-
3 dB Bandwidth	MHz	4	4.19	-
40 dB Bandwidth	MHz	-	5.63	-
45 dB Bandwidth	MHz	-	5.69	5.9
Passband Variation	dB	-	0.7	1
Absolute Delay	usec	-	3.54	-
Ultimate Rejection	dB	45	48	-
Material Temperature coefficient	KHz/°C	-1.17		
Substrate Material	-	112LT		
Ambient Temperature	°C	25		
DC Voltage	V	0		
Input Power	dBm	-	-	10
ESD Class	-	1A		
Package Size	DIP2212 (22.2x12.8x4.7mm3)			

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	LBT6503	
		Rev. Date	2011-03-24	
		Ver.	2.0	Page 1/3

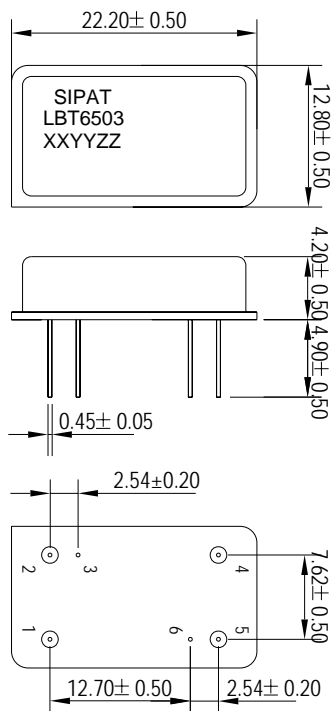
Matching Configuration



L1=120nH L2=150nH
C1=36pF
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) LBT6503: Part Number
- 3) XXYY: Date(Year/month)
- 4) ZZ: Identified Code

Package: DIP2212

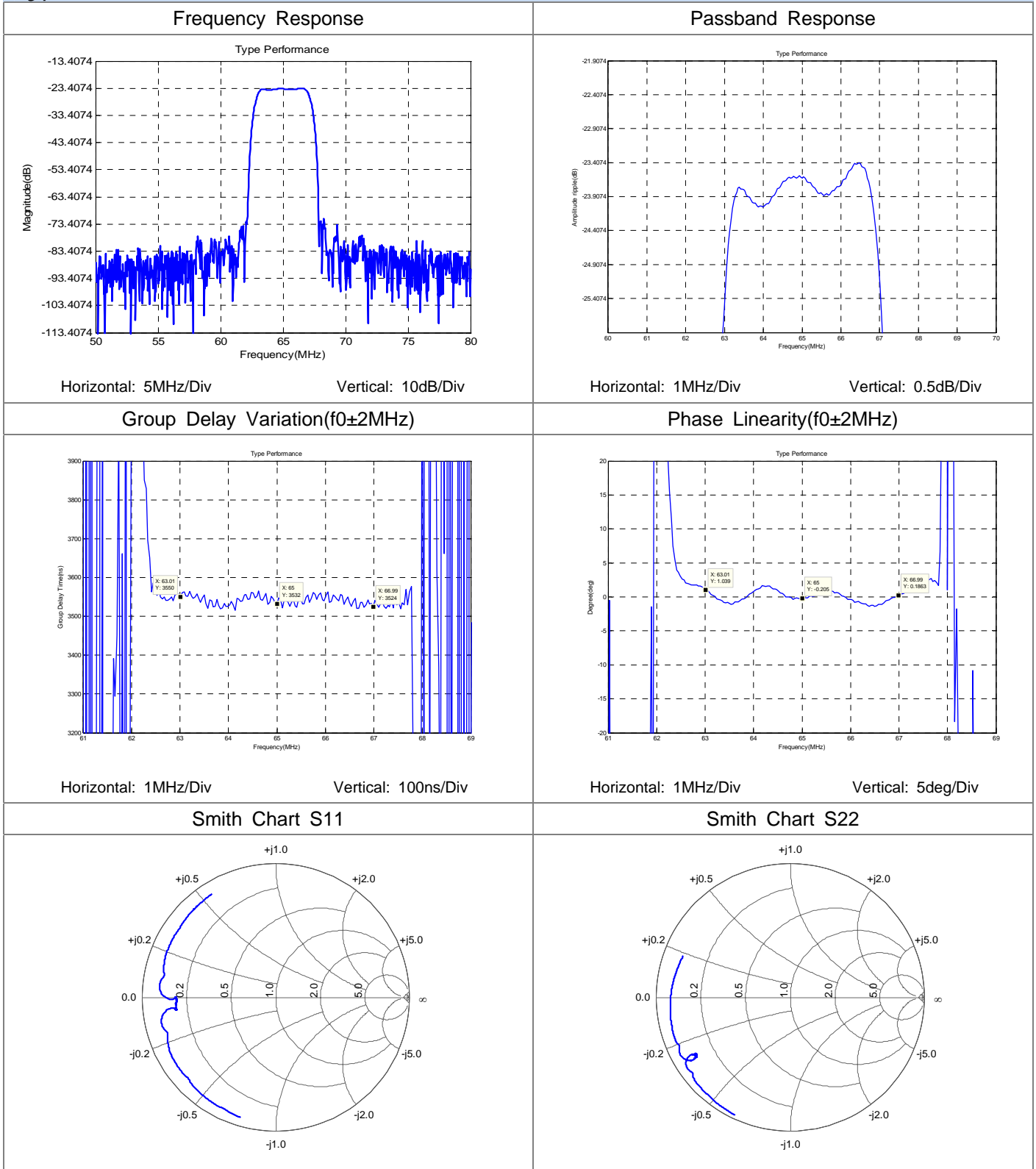
Unit: mm



SIPAT Co., Ltd.
(CETC No.26 Research Institute)
#14 Nanping Huayuan Road,
Chongqing, China, 400060

Part Number	LBT6503	
Rev. Date	2011-03-24	
Ver.	2.0	Page 2/3

Typical Performance



SIPAT Co., Ltd.
(CETC No.26 Research Institute)
#14 Nanping Huayuan Road,
Chongqing, China, 400060

Part Number	LBT6503	
Rev. Date	2011-03-24	
Ver.	2.0	Page 3/3