Features

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

Specifications

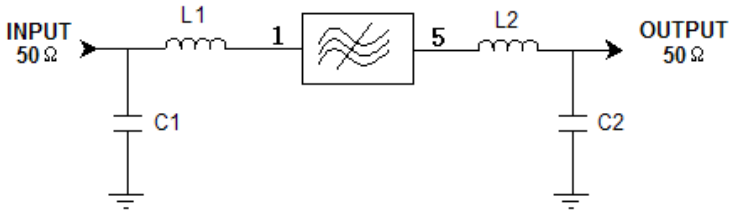
Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	122.65	122.75	122.85
Insertion Loss	dB	-	23.9	26
3dB Bandwidth	MHz	2.55	2.61	-
30dB Bandwidth	MHz	-	3.27	3.3
45dB Bandwidth	MHz		3.43	3.7
50dB Bandwidth	MHz		3.48	4.3
Passband Variation	dB	-	0.4	1
Absolute Delay	usec	-	3.48	4.0
Ultimate Rejection(f0±6.25MHz)	dB	50	53	-
Material Temperature coefficient	KHz/°C	0.12		
Substrate Material	-	ST-QZ		
Ambient Temperature	°C	25		
Operating Temperature Range	°C	-25	-	+85
Storage Temperature Range	°C	-45	-	+105
DC Voltage	V	0		
Input Power	dBm	-	-	10
ESD Class	-	1C		
Package Size	DIP3512 (35*12.6*5.2mm3)			

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.

Matching Configuration

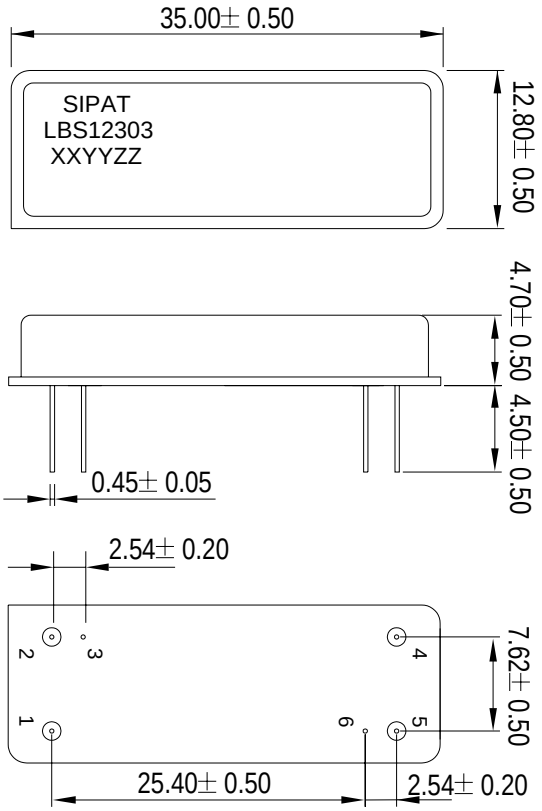
手动测试座



L1=100nH L2=82nH
C1=33 pF C2=39pF
Source/Load Impedance=50 ohm

Notes - Component values may change depending on board layout.

Package Dimension



Pad Configuration:

Input 1
Output 5
Ground All Others

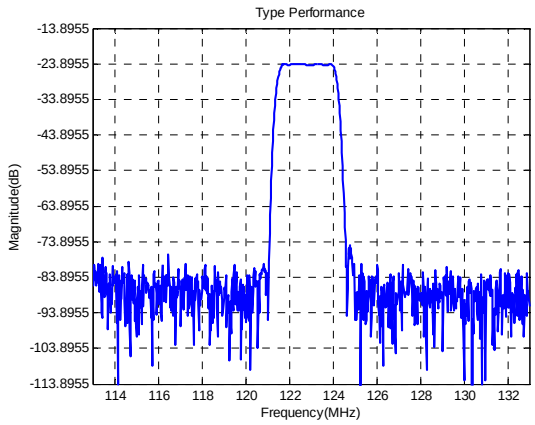
Marking Configuration:

1) SIPAT: Manufacturer Name
2) LBS12303: Part Number
3)XXYY: Date Code
4) ZZ: Identified Code

Package: DIP3512 **Unit: mm**

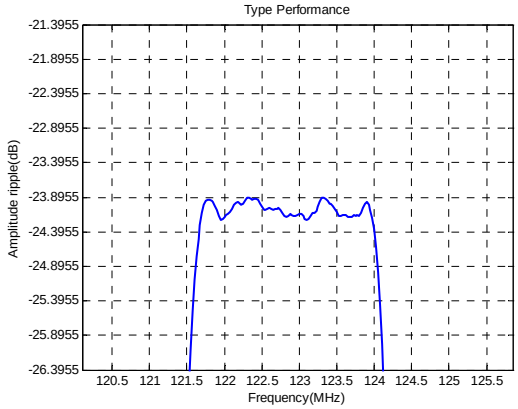
Typical Performance

Frequency Respond



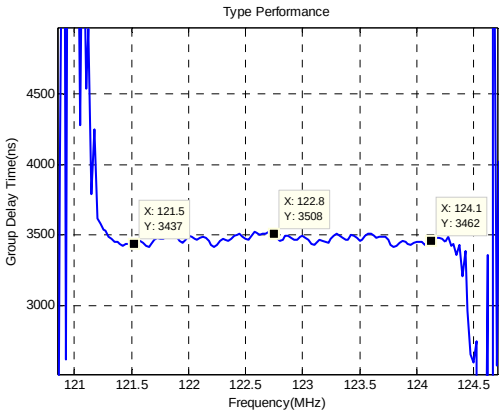
Horizontal: 2MHz/Div Vertical: 10dB/Div

Passband Respond



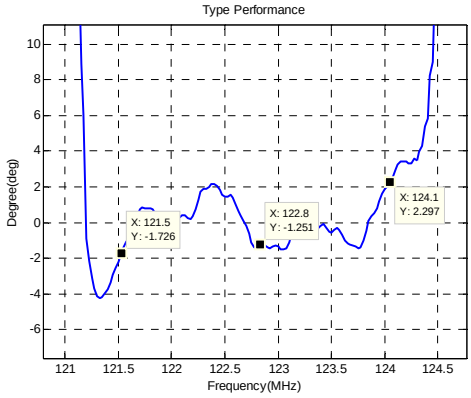
Horizontal: 0.5MHz/Div Vertical: 0.5dB/Div

Group Delay Variation



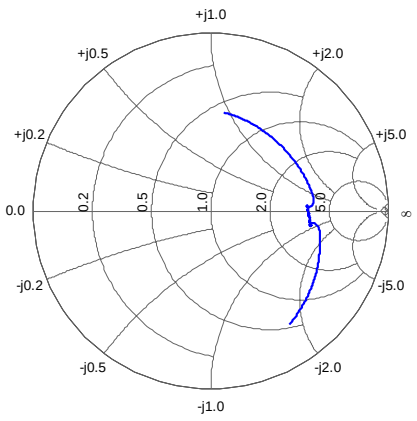
Horizontal: 0.5MHz/Div Vertical: 500ns/Div

Phase Linearity



Horizontal: 0.5MHz/Div Vertical: 2deg/Div

Smith Chart S11



Smith Chart S22

