Features

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

Specifications

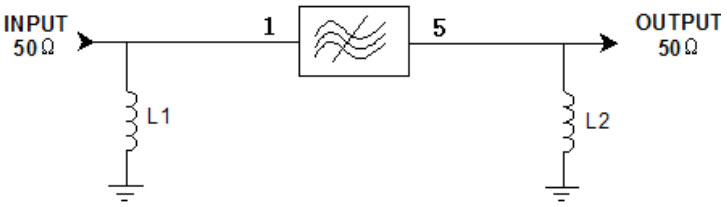
Parameter		Unit	Minimum	Typical	Maximum
Center Frequency		MHz	114.85	115	115.15
Insertion Loss		dB	-	23.8	28
1.5dB Bandwidth		MHz	6	6.09	-
15dB Bandwidth		MHz		6.78	6.8
Passband Variation		dB	-	0.6	1.2
Absolute Delay		usec	-	2.56	4.0
Rejection (fc+BW)	*(fc±6/2M)±400khz*	dB	14	16	
	(fc±6/2M)±600khz	dB	30	33	
	(fc±6/2M)±1M	dB	40	50	
	(fc±6/2M)±5M	dB	50	54	
Ultimate Rejection		dB	40	50	-
Material Temperature coefficient		KHz/°C	-2.07		
Substrate Material		-	112-LT		
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		-	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.

Matching Configuration

手动测试座

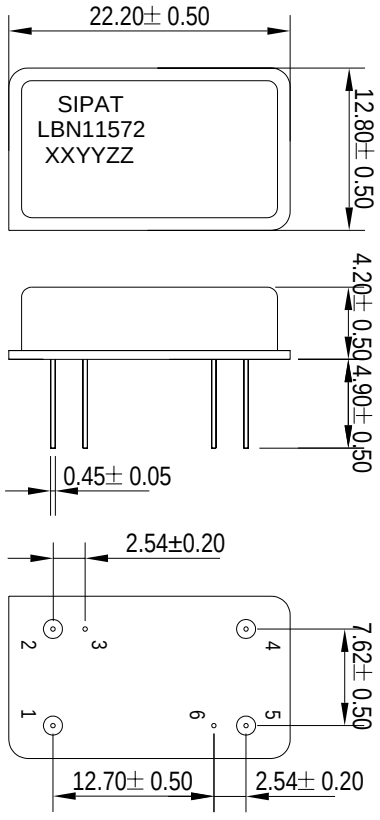


L1=33nH L2=33nH

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

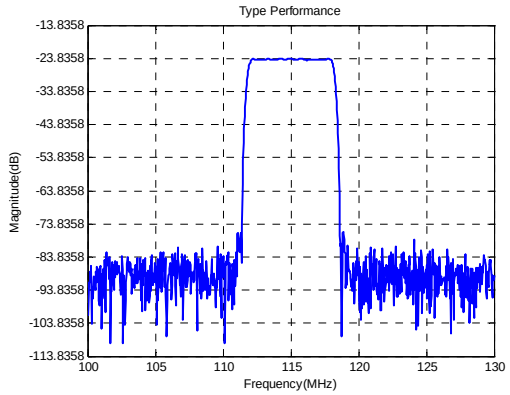
Marking Configuration:

1) SIPAT: Manufacturer Name
2) LBN11572: Part Number
3) XXYY: Date(Year/month)
4) ZZ: Identified Code

Package: DIP2212 **Unit: mm**

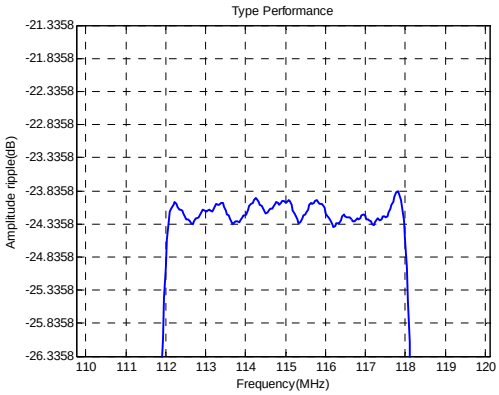
Typical Performance

Frequency Response



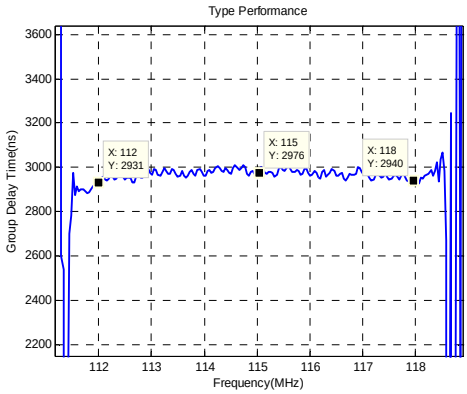
Horizontal: 5MHz/Div Vertical: 10dB/Div

Passband Response



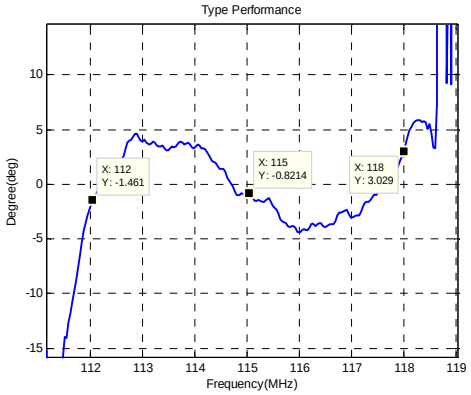
Horizontal: 1MHz/Div Vertical: 0.5dB/Div

Group Delay Variation



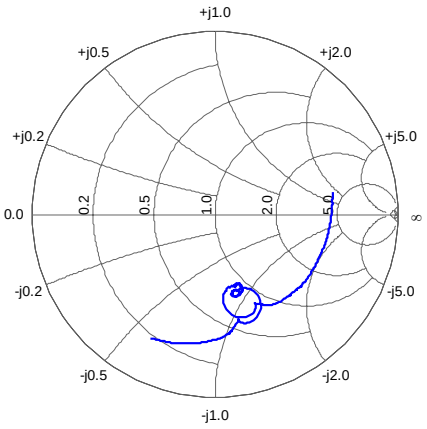
Horizontal: 1MHz/Div Vertical: 200ns/Div

Phase Linearity



Horizontal: 1MHz/Div Vertical: 5deg/Div

Smith Chart S11



Smith Chart S22

