Features

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

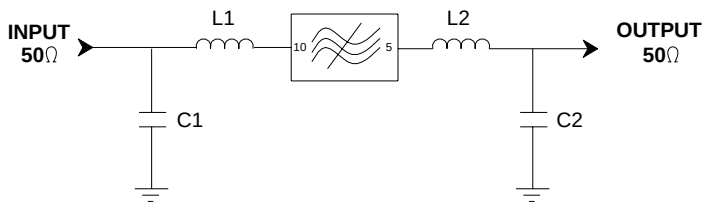
Specifications

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	114.5	115	115.5
Insertion Loss	dB	-	12.8	15
1.5 dB Bandwidth	MHz	-	10.2	-
3 dB Bandwidth	MHz	10	10.7	-
40 dB Bandwidth	MHz	-	14.6	15
Passband Variation	dB	-	0.3	1.5
Absolute Delay	usec	-	1	-
Ultimate Rejection	dB	32	35	-
Material Temperature coefficient	KHz/°C	-10.8		
Substrate Material	-	YZ LN		
Ambient Temperature	°C	25		
DC Voltage	V	0		
Input Power	dBm	-	-	10
ESD Class	-	1A		
Package Size	SMD24.6*9.0			

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.

Matching Configuration



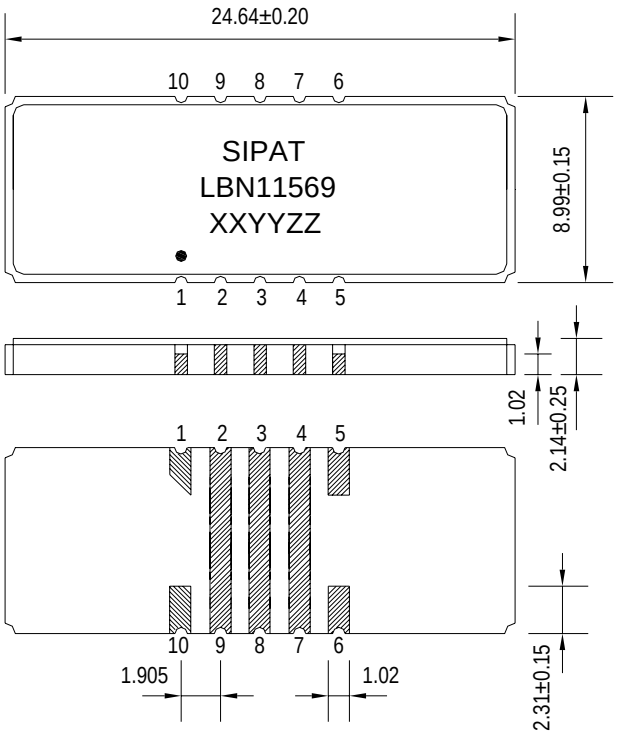
L1=L2=27nH

C1=39pF C2=56pF

Source/Load Impedance=50 ohm

Notes - Component values may change depending on board layout.

Package Dimension



Pad Configuration:

Input: 10

Output: 5

Ground: 1,2,3,4,6,7,8,9

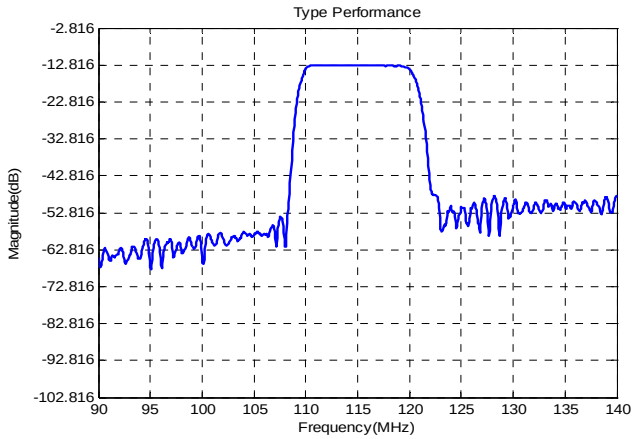
Marking Configuration:

1) •: Pad Number 1 Index
2) SIPAT: Manufacturer Name
3) LBN11569: Part Number
4) XXYY: Date(Year/month)
5) ZZ: Identified Code

Package: SMD24.6*9.0 **Unit: mm**

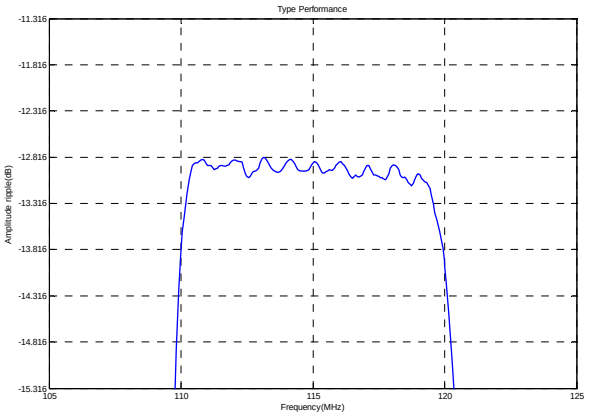
Typical Performance

Frequency Response



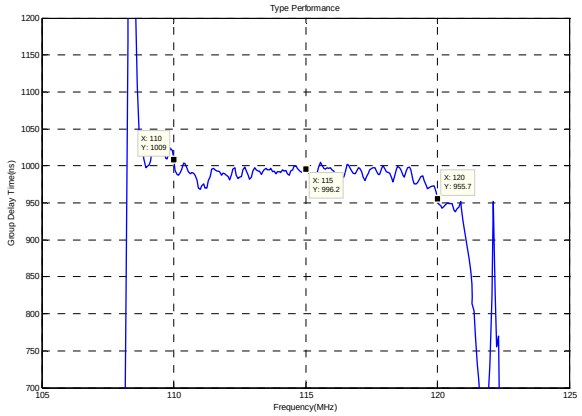
Horizontal: 5MHz/Div Vertical: 10dB/Div

Passband Response



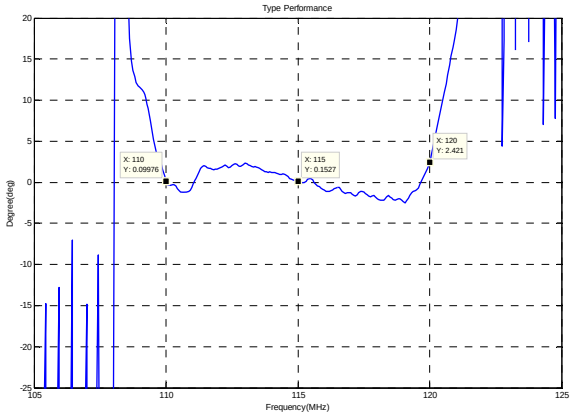
Horizontal: 5MHz/Div Vertical: 0.5dB/Div

Group Delay Variation(f0±5MHz)



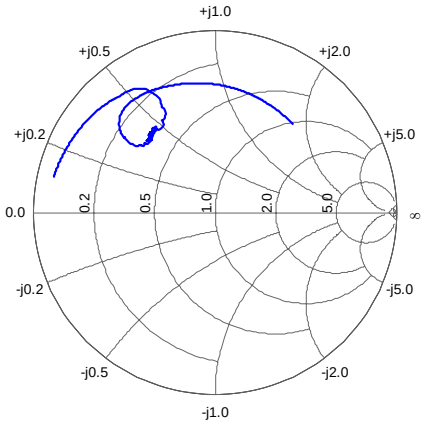
Horizontal: 5MHz/Div Vertical: 50ns/Div

Phase Linearity(f0±5MHz)



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

Smith Chart S11



Smith Chart S22

