Features

- For RF SAW filter
- Single-ended operation
- Ceramic Surface Mount Package
- Small size
- No matching required for operation at 50Ω
- RoHS compliant (2002/95/EC), Pb-free

Specifications

Parameter		Unit	Minimum	Typical	Maximum
Center Frequency		MHz	-	920	-
Insertion Loss(f0±5MHz)		dB	-	1.7	3.5
1 dB Bandwidth		MHz	10	13.58	-
20 dB Bandwidth		MHz	-	26.67	35
Passband Variation		dB	-	0.1	1
Absolute Delay		usec	-	0.05	-
Ultimate Rejection	820～890MHz	dB	30	41	-
	950～1000MHz	dB	30	37	-
Material Temperature coefficient		KHz/°C	-29.44		
Substrate Material		-	36LT		
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		SMD3.8*3.8			

Notes:

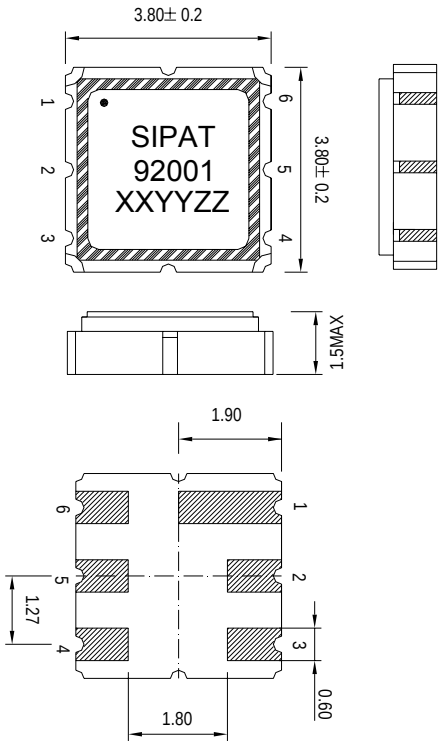
1. All specifications are based on the test circuit shown;
2. In production, all specifications are measured by Agilent Network analyzer and full 2 port calibration at room temperature;
3. Electrical margin has been built into the design to account for the variations due to temperature drift and manufacturing tolerances;
4. This is the optimum impedance in order to achieve the performance show.

Matching Configuration

Source/Load Impedance=50 ohm

Notes - Component values may change depending on board layout.

Package Dimension



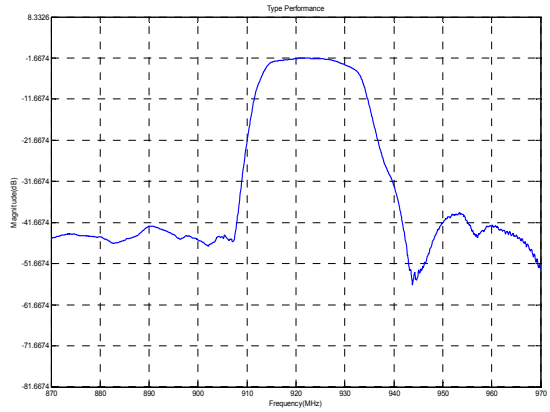
Pad Configuration:
Input: 2
Output: 5
Ground: All Others

Marking Configuration:
1) •: Pad Number 1 Index
2) SIPAT: Manufacturer Name
3) 92001: Part Number
4) XXYY: Date(Year/month)
5) ZZ: Identified Code

Package: SMD3.8*3.8 **Unit: mm**

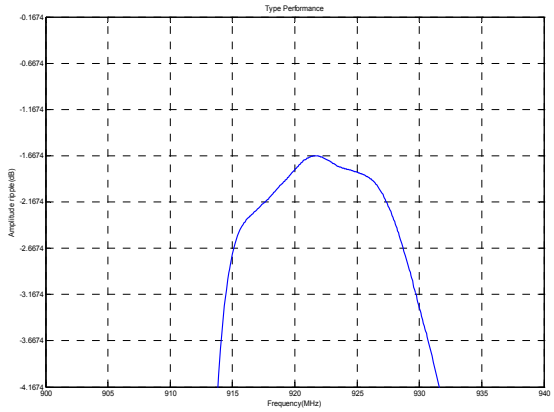
Typical Performance

Frequency Respond



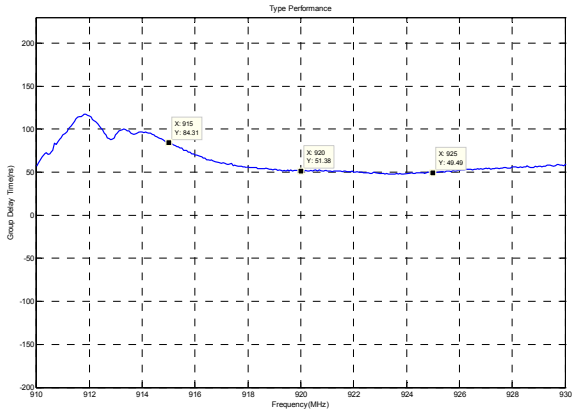
Horizontal: 10MHz/Div Vertical: 10dB/Div

Passband Respond



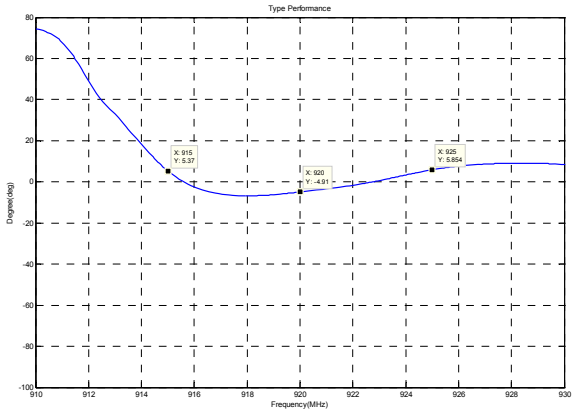
Horizontal: 5MHz/Div Vertical: 0.5dB/Div

Group Delay Variation(f0±5MHz)



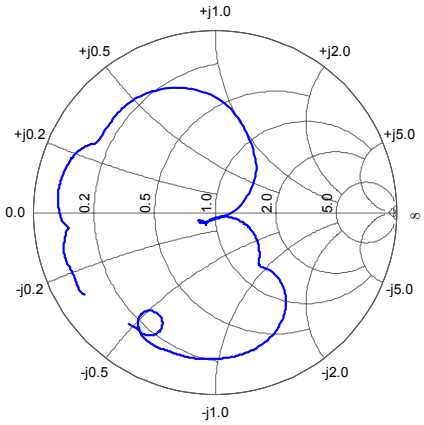
Horizontal: 2MHz/Div Vertical: 50ns/Div

Phase Linearity(f0±5MHz)



Horizontal: 2MHz/Div Vertical: 20deg/Div

Smith Chart S11



Smith Chart S22