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

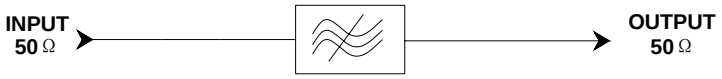
Specifications

Parameter		Unit	Minimum	Typical	Maximum
Center Frequency		MHz	339	340	341
Insertion Loss		dB	-	1.8	2.5
1 dB Bandwidth		MHz	8	12.74	-
Passband Variation(f0±4MHz)		dB	-	0.3	1
Absolute Delay		usec	-	0.08	-
Ultimate Rejection	*100～300MHz*	dB	50	53	-
	300～320MHz	dB	40	45	-
	375～800MHz	dB	45	53	-
Material Temperature coefficient		KHz/°C	-23.8		
Substrate Material		-	64LN		
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		SMD5.0*5.0			

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.

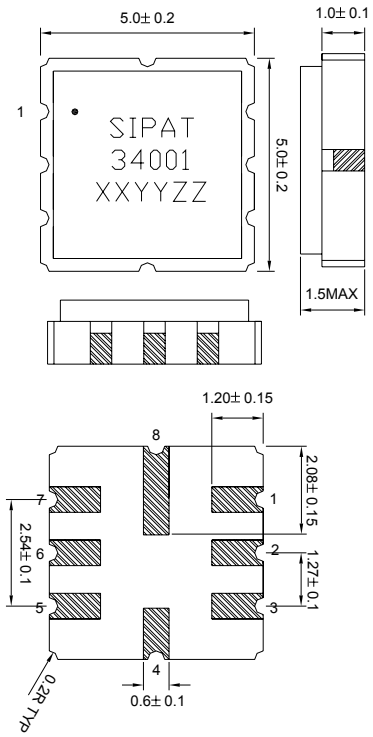
Matching Configuration



Source/Load Impedance=50 ohm

Notes - Component values may change depending on board layout.

Package Dimension



Pad Configuration:

Input 2
Output 6
Ground All Others

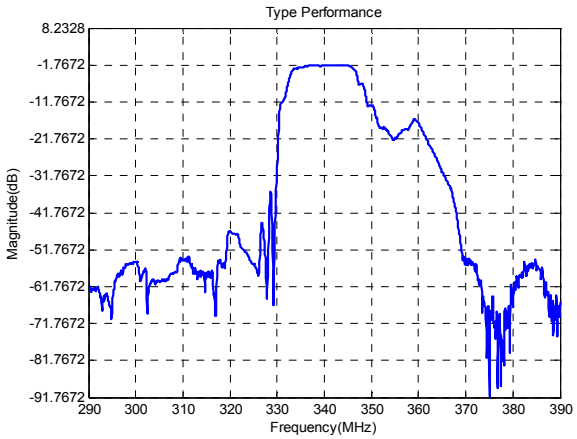
Marking Configuration:

1) •: Pad Number 1 Index
2) SIPAT: Manufacturer Name
3) 34001: Part Number
4) XXYY: Date(Year/month)
5) ZZ: Identified Code

Package: SMD5.0*5.0 **Unit: mm**

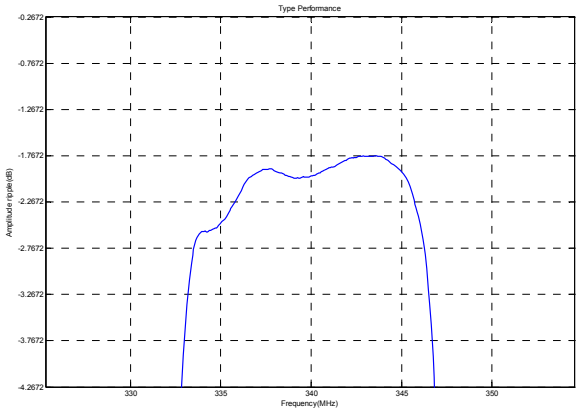
Typical Performance

Frequency Respond



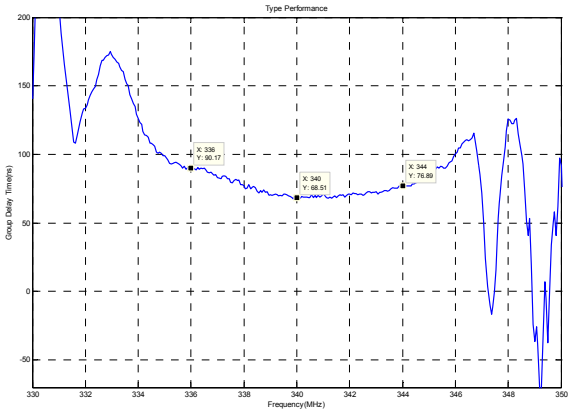
Horizontal: 10MHz/Div Vertical: 10dB/Div

Passband Respond



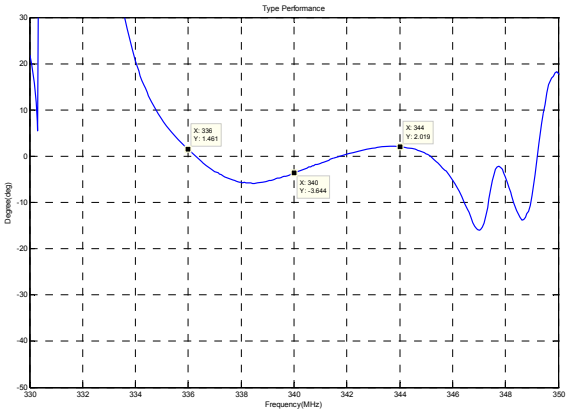
Horizontal: 5MHz/Div Vertical: 0.5dB/Div

Group Delay Variation(f0±4MHz)



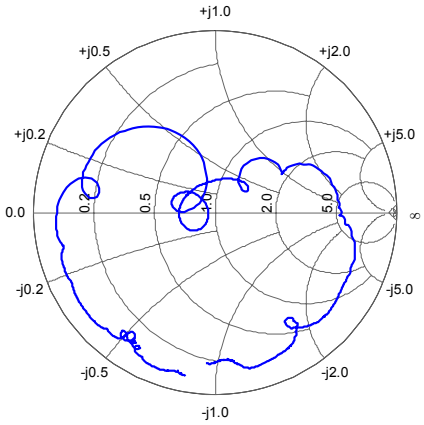
Horizontal: 2MHz/Div Vertical: 50ns/Div

Phase Linearity(f0±4MHz)



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

Smith Chart S11



Smith Chart S22

