Features

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

Specifications

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	-	470.4	-
Insertion Loss	dB	-	1.5	3.5
1 dB Bandwidth	MHz	6.3	7.04	
3 dB Bandwidth	MHz	7.5	9.76	-
Passband Variation	dB	-	0.6	3
Absolute Delay	usec	-	0.11	-
Ultimate Rejection(@463MHz)	dB	15	33	-
Material Temperature coefficient	KHz/°C	-15.05		
Substrate Material	-	42LT		
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.

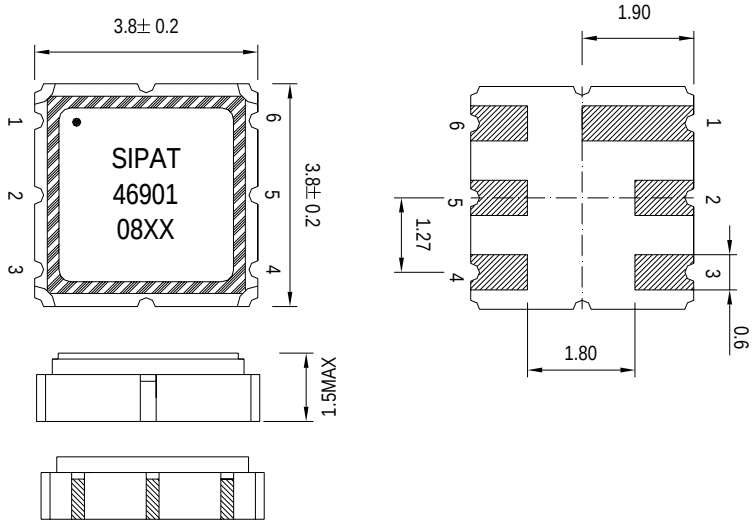
Matching Configuration



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

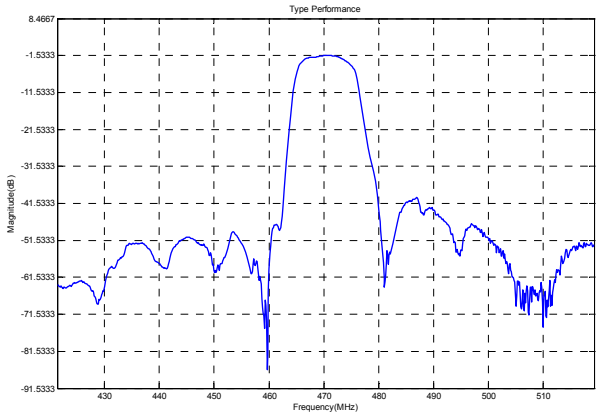
Marking Configuration:

1) •: Pad Number 1 Index
2) SIPAT: Manufacturer Name
3) 46901: Part Number
4) 08XX: Date Code

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

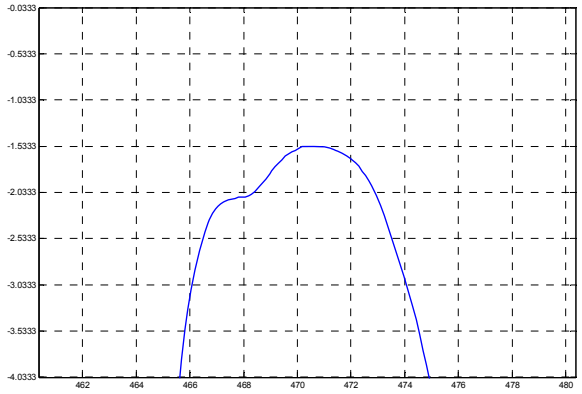
Typical Performance

Frequency Respond



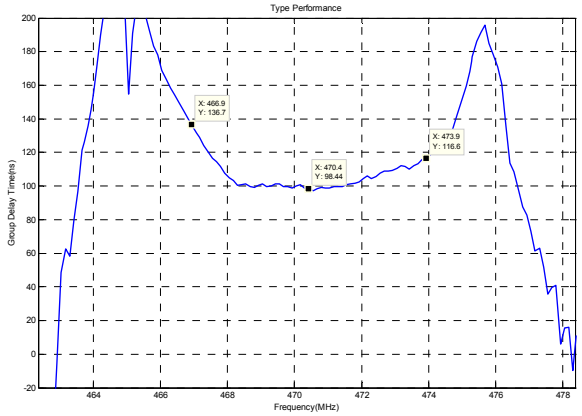
Horizontal: 10MHz/Div Vertical: 10dB/Div

Passband Respond



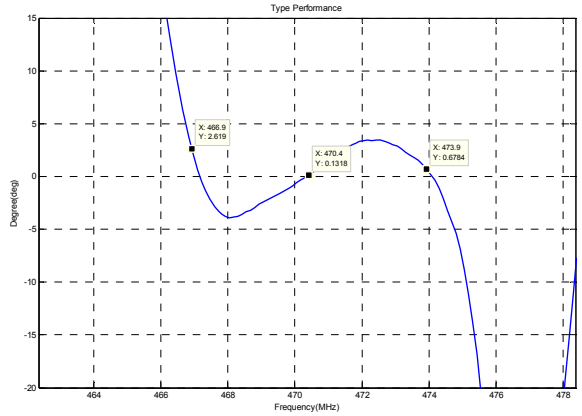
Horizontal: 2MHz/Div Vertical: 0.5dB/Div

Group Delay Variation(f0±3.5MHz)



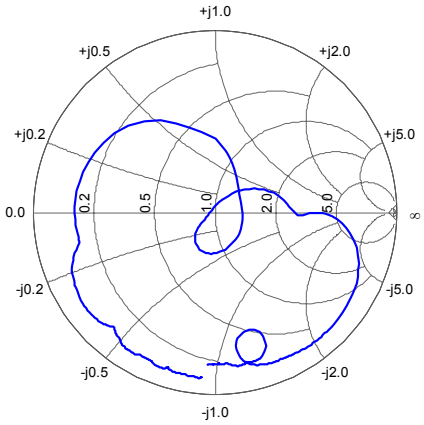
Horizontal: 2MHz/Div Vertical: 20ns/Div

Phase Linearity(f0±3.5MHz)



Horizontal: 2MHz/Div Vertical: 5deg/Div

Smith Chart S11



Smith Chart S22

