



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	
<i>Center Frequency</i>	MHz	-	775.5	-	
<i>Insertion Loss (758~793MHz) @25°C</i>	dB	-	3.8	4.0	
<i>Insertion Loss (758~793MHz)</i>	dB		4	4.5	
<i>Passband Variation (758~793MHz) @25°C</i>	dB	-	0.9	1.0	
<i>Passband Variation (758~793MHz)</i>	dB		1.3	1.7	
<i>Input/Output VSWR (758~793MHz)</i>		-	1.9	2.1	
<i>Group Delay</i>	ns	-	20	100	
<i>Attenuation</i>	<i>35~650MHz</i>	dB	10	30	-
	<i>703~738MHz@25°C</i>	dB	30	35	-
	<i>703~738MHz</i>	dB	20	25	
	<i>738~748 MHz@25°C</i>	dB	4	5	-
	<i>900~1709MHz</i>	dB	25	40	-
	<i>1709~1999MHz</i>	dB	25	30	-
	<i>2000~3000MHz</i>	dB	20	30	
<i>Material Temperature coefficient</i>	kHz/°C		-54.29		
<i>Substrate Material</i>	-		41LN		
<i>Ambient Temperature</i>	°C		25		
<i>Operating Temperature Range</i>	°C	-40	-	+85	
<i>DC Voltage</i>	V		0		
<i>Input Power</i>	dBm	1) 13.5dBm CW, Ta=85度, 通带高频点, life time>10年; 2) 20 dBm CW, Ta=85度, 通带高频点, 连续测试2hr内, 电气性能满足规格要求			
<i>ESD Class</i>	-		1A		
<i>Package Size</i>		SMD3.0*3.0			

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;

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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

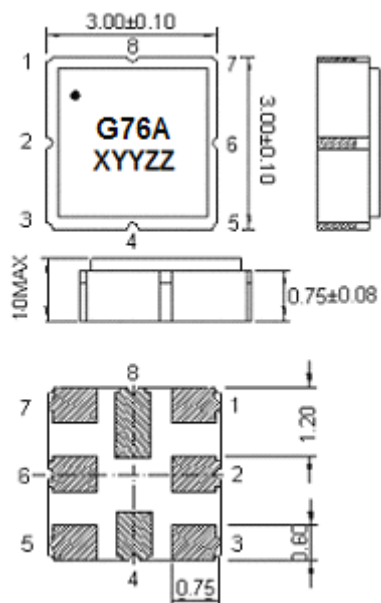
手动测试座



Source/Load Impedance=50 ohm

Notes - Component values may change depending on board layout.

Package Dimension



Pad Configuration:

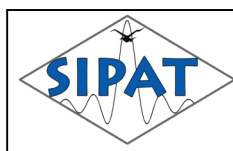
Input: 2
Output: 6
Ground: All Others

Marking Configuration:

- 1) •: Pad Number 1 Index
- 2) G76A: Part Number
- 3) XYYZZ: Date Code

Package: SMD3.0*3.0

Unit: mm

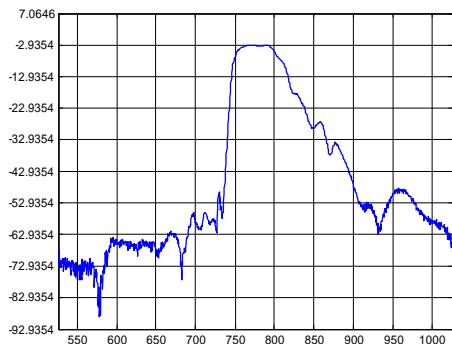


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Typical Performance

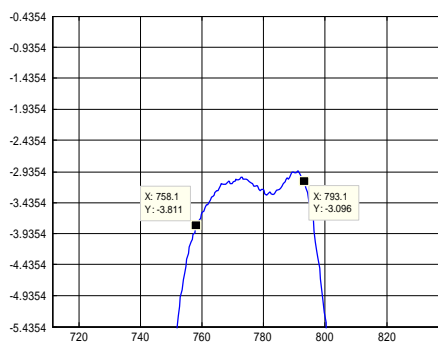
Frequency Response



Horizontal: 50MHz/Div

Vertical: 10dB/Div

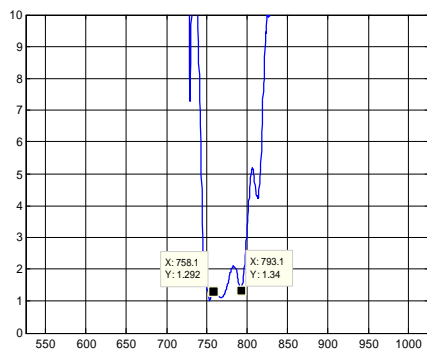
Passband Response



Horizontal: 10MHz/Div

Vertical: 0.5dB/Div

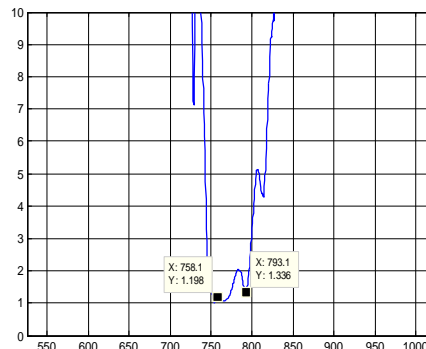
VSWR S11



Horizontal: 50MHz/Div

Vertical: 1ns/Div

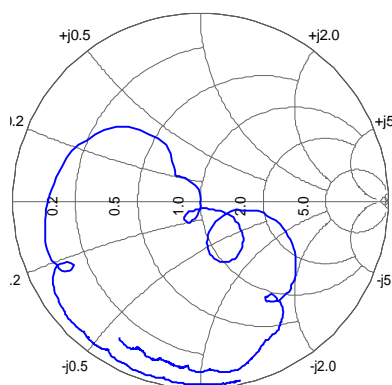
VSWR S22



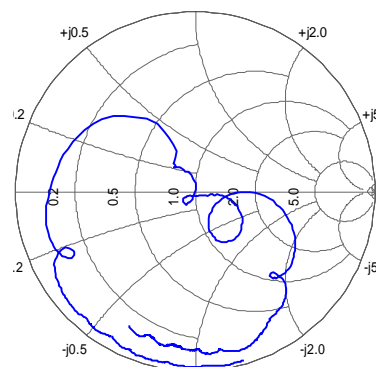
Horizontal: 50MHz/Div

Vertical: 1deg/Div

Smith Chart S11



Smith Chart S22



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