



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	-	947.5	-	
<i>Insertion Loss(935~960MHz)</i>	dB	-	3.0	3.5	
<i>Amplitude ripple(935~960MHz)</i>	dB	-	1.1	1.5	
<i>VSWR(935~960MHz)</i>	dB	-	1.7	2.0	
<i>Attenuation</i>	<i>DC ~ 870MHz</i>	dB	45	50	-
	<i>870~915MHz</i>	dB	40	42	-
	<i>980~985MHz</i>	dB	28	35	-
	<i>985~1025MHz</i>	dB	29	40	-
	<i>1025~1500MHz</i>	dB	42	45	-
	<i>1500~2000MHz</i>	dB	40	45	-
<i>2000~3000MHz</i>	dB	35	40	-	
<i>Material Temperature coefficient</i>	kHz/°C	-34.11			
<i>Substrate Material</i>	-	42LT			
<i>Ambient Temperature</i>	° C	25			
<i>Operating Temperature Range</i>	° C	-40	-	+85	
<i>Storage Temperature Range</i>	° C	-40	-	+85	
<i>DC voltage</i>	V	5			
<i>Source power</i>	dBm	15			
<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;
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.

	SIPAT Co., Ltd. (CETC No.26 Research Institute) #14 Nanping Huayuan Road, Chongqing, China, 400060	Part Number	LBT94803	
		Rev. Date	2013-06-03	
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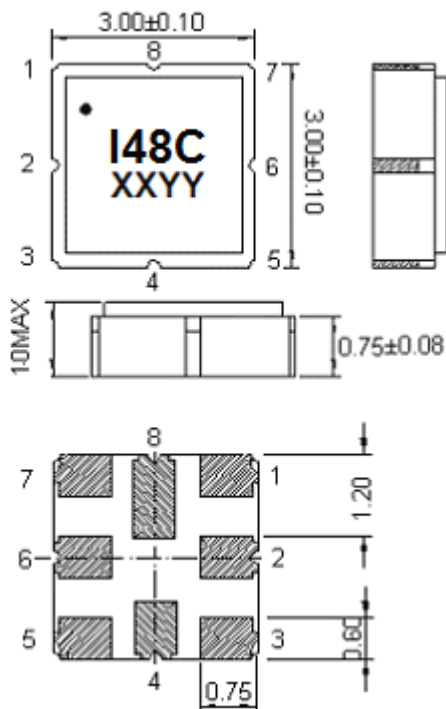
Matching Configuration



Source/Load Impedance=50 ohm

Notes - Component values may change depending on board layout.

Package Dimension



Pad Configuration:

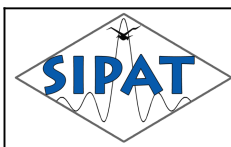
Input: 2
Output: 6
Ground: All others

Marking Configuration:

- 1) •: Pad Number 1 Index
- 2) I48C: Part Number
- 3) XXYY: Date(Year/month)

Package: SMD3.0*3.0

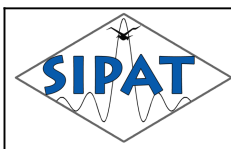
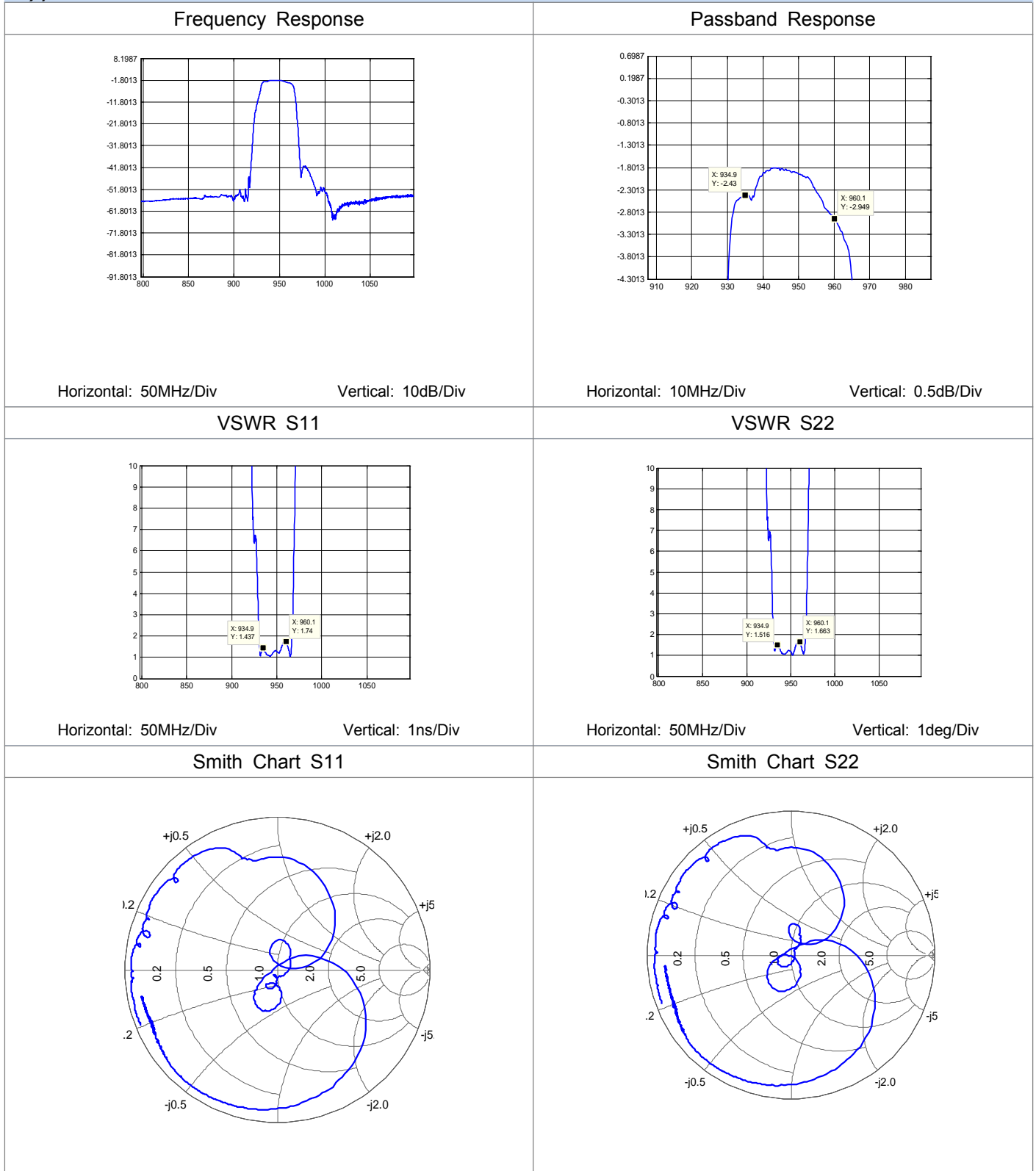
Unit: mm



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Typical Performance



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