TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.
TEL: 886-3-4690038 FAX: 886-3-4697532
E-mail: tstsales@mail.taisaw.com Web: www.taisaw.com

Approval Sheet For Product Specification

Issued Date: March, 03, 2009

Product Name: SAW Filter 453.695MHz SMD 3.8*3.8 mm **(BW=5MHz)**

TST Parts No.: :TA0940A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by: Paul Ni Paul

Approval by: Francis Chen

Date: 2009/03/03

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SAW Filter 453.695 MHz

MODEL NO.: TA0940A REV. NO：1.0

A. MAXIMUM RATING:

RoHS Compliant
Lead free
Lead-free soldering

1.Input Power Level: 10 dB_m

2.DC voltage: 3 V

3.Operating Temperature: +15°C to +35°C

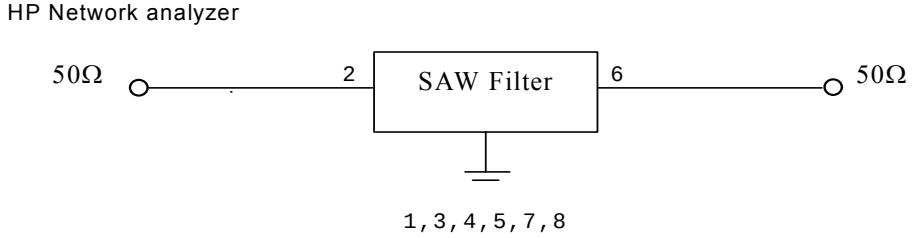
4.Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

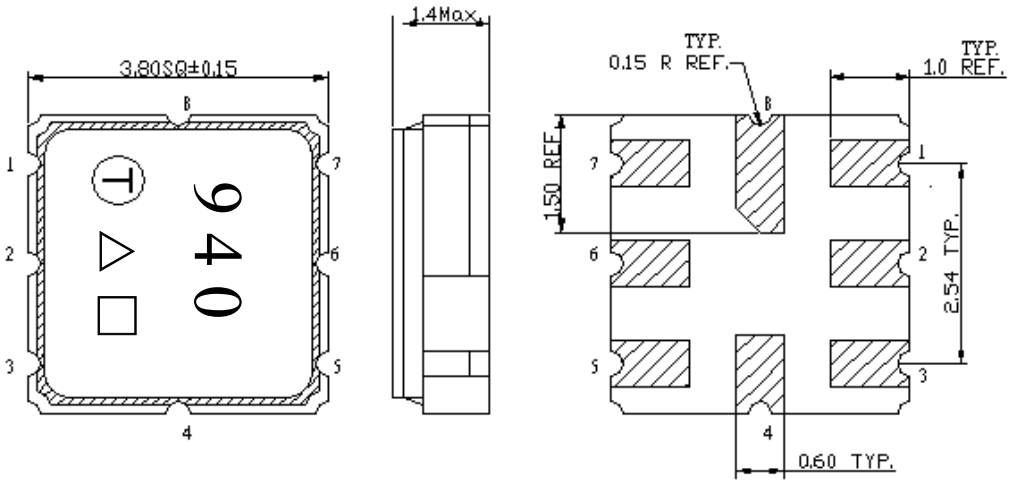
Item	Unit	Min.	Typ.	Max.
Center frequency Fo	MHz	-	453.695	-
Insertion loss (451.195 ~ 456.195MHz) **IL**	dB	-	2.0	3.6
Amplitude ripple(451.195 ~ 456.195MHz)	dB	-	0.3	2.1
VSWR (451.195 ~ 456.195MHz)	-	-	1.27	2.1
Attenuation (Reference level from 0 dB)				
10 ~ 397 MHz	dB	40	64	-
397 ~ 406 MHz	dB	40	75	-
406 ~ 441 MHz	dB	10	55	-
494 ~ 600 MHz	dB	40	65	-
Temperature Coefficient	Ppm/℃	-	-36	-
Source impedance Zs	(Ω)	-	50	-
Load impedance ZL	(Ω)	-	50	-

C. MEASUREMENT CIRCUIT:

50 Ohm Test circuit (single-ended / single-ended)



D.OUTLINE DRAWING:

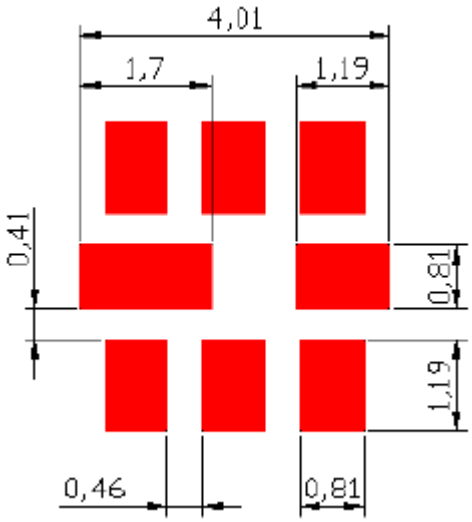


△ Product Year Code

Year	2005 2007 2009 .	2006 2008 2010 .
Product Code	A	a

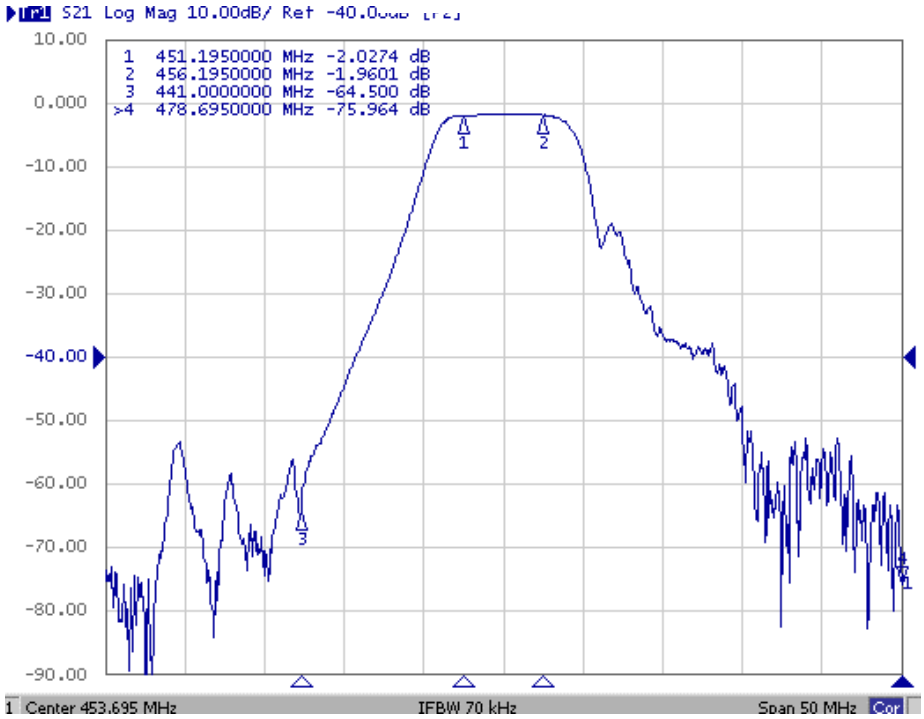
2 : Input
6: Output
1,3,4,5,7,8 Ground
△:Year Code
□: Date Code(Follow the table provided by planner each year.)
Unit: mm

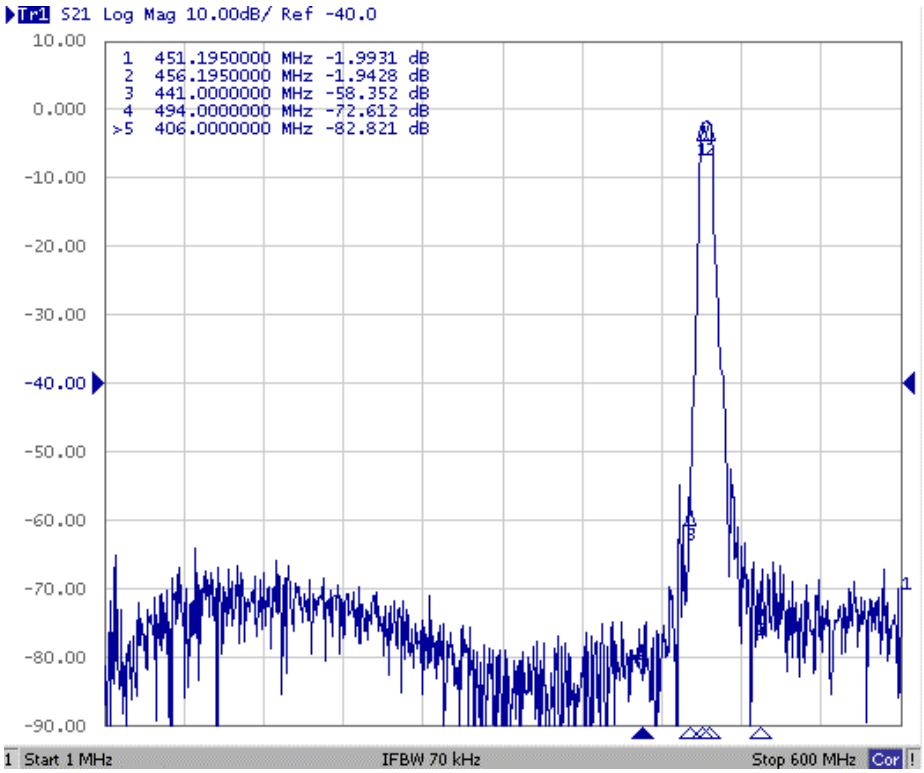
E. PCB Footprint：



F. Frequency Characteristics :

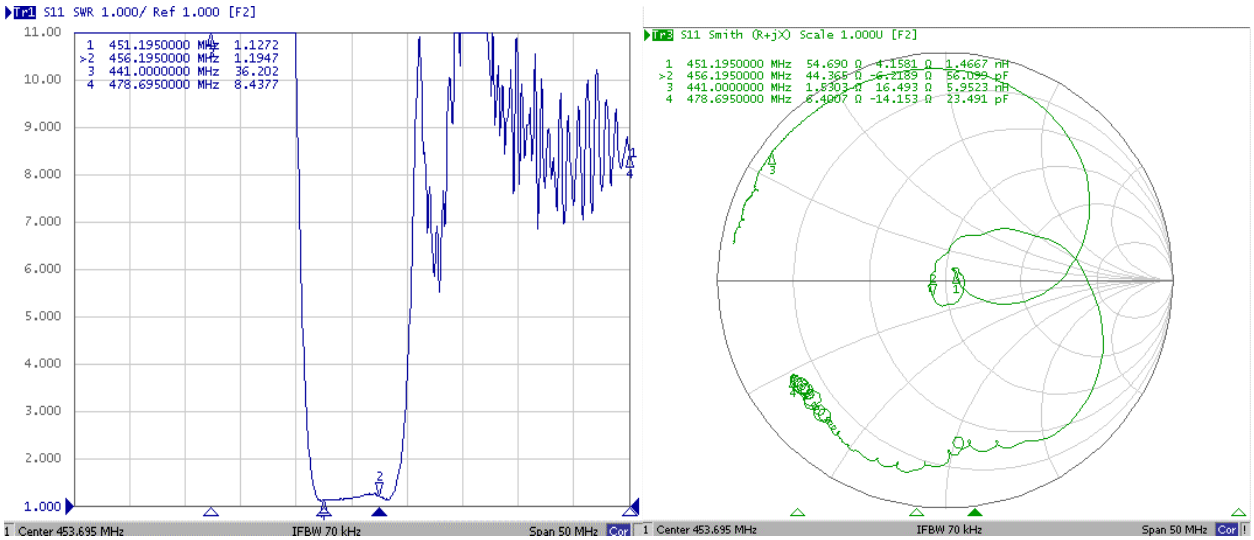
Transfer function



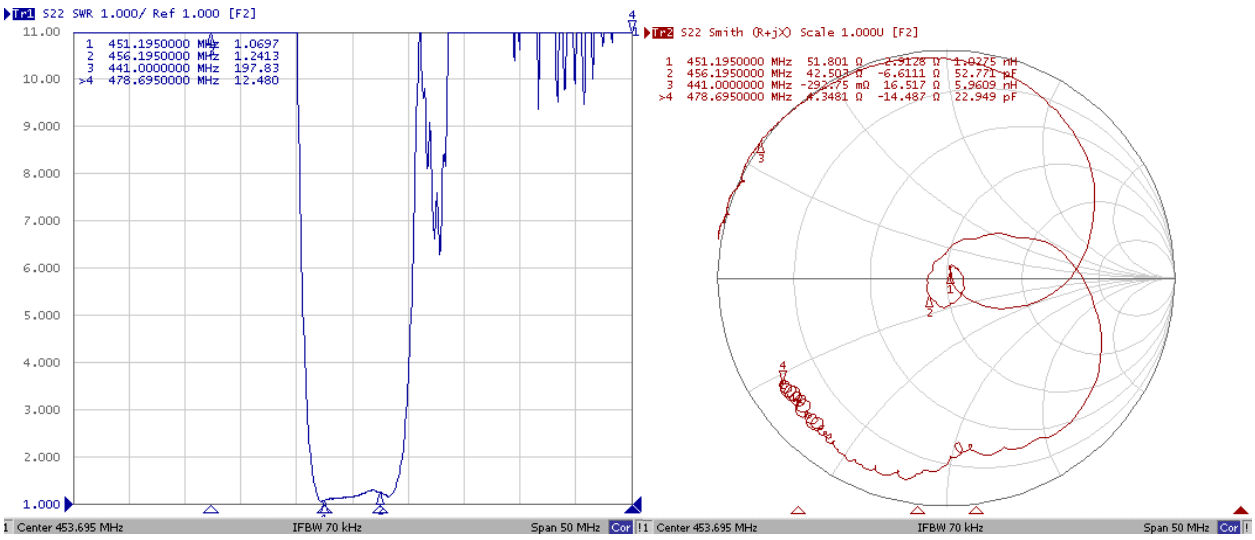


Transfer function

S11

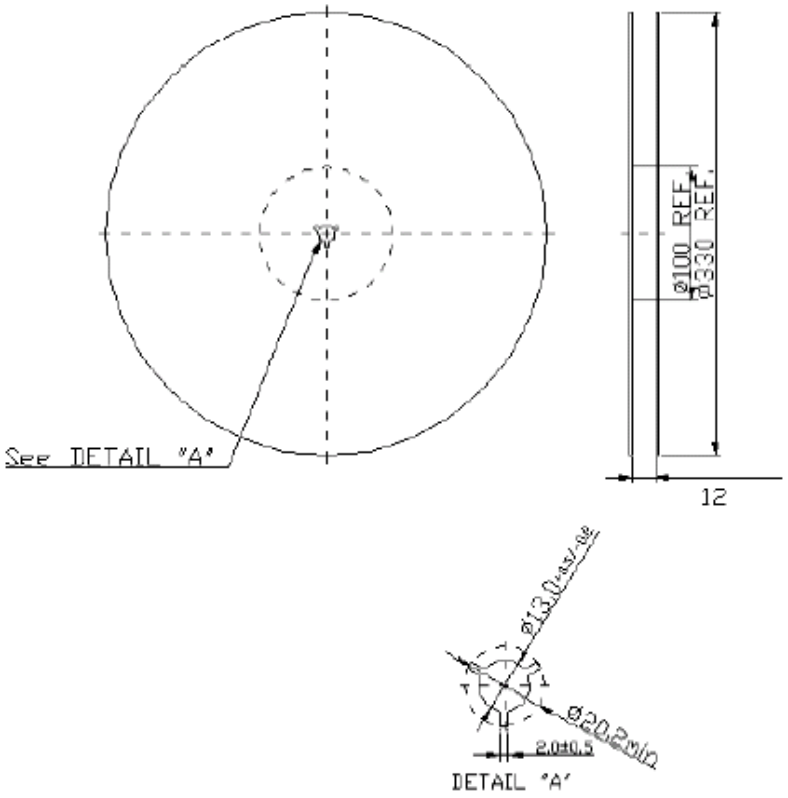


S22

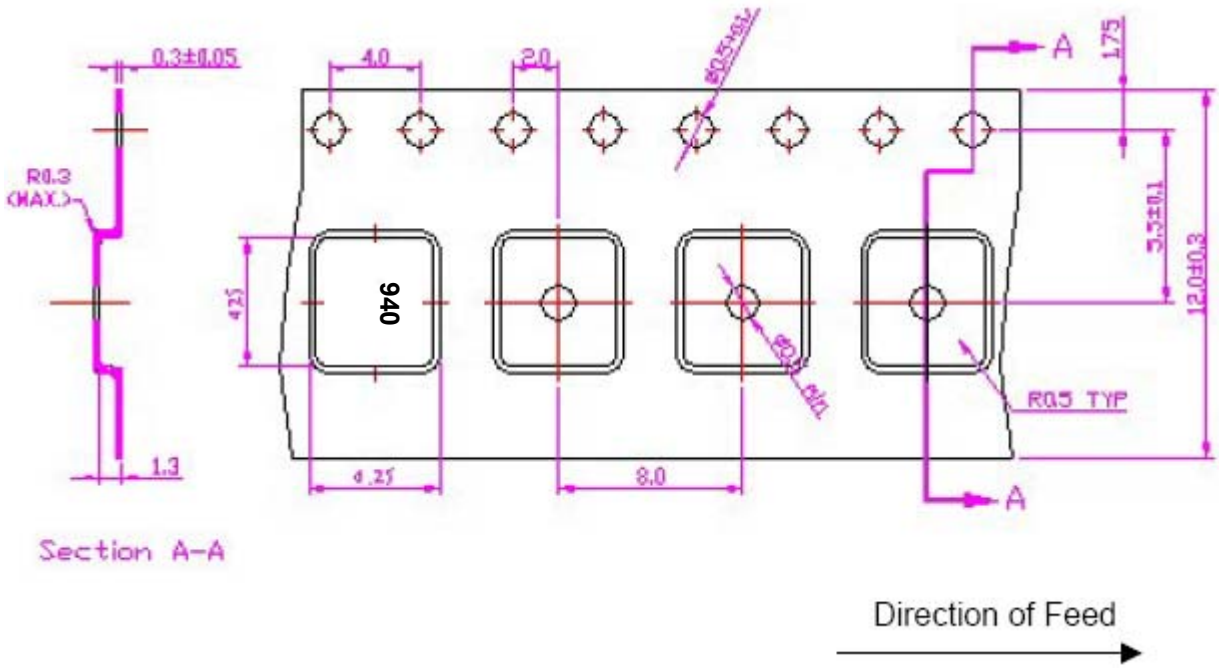


G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



H.RECOMMENDED REFLOW PROFILE: