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:

Product Name: SAW Filter 416.405MHz SMD 3.8×3.8mm

TST Parts No.: TA0592A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by: Asin Lin

Approval by: Francis Chen

Date: 2006/09/13

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SAW Filter 416.405 MHz

MODEL NO.: TA0592A REV. NO.:1

RoHS Compliant
Lead free
Lead-free soldering

A. MAXIMUM RATING:

1.Input Power Level: 10 dB_m

2.DC voltage: 3 V

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

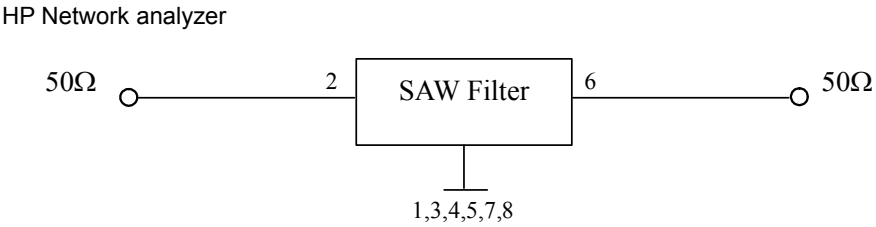
4.Storage Temperature: -40°C to +85°C

B. CHARACTERISTICS:

Item			Min.	Typical	Max.
Center frequency	Fc	MH	-	416.405	-
Insertion loss 413.9 ~ 418.9 MHz	IL	dB	-	2.2	3.6
Amplitude ripple 413.9 ~ 418.9 MHz		dB	-	0.7	2.1
VSWR 413.9 ~ 418.9 MHz		dB	-	1.3	2.1
Attenuation (Reference level from 0 dB)					
1 ~ 379.0 MHz		dB	40	50	-
379.0 ~ 394.0 MHz		dB	31	50	-
394.0 ~ 405.5 MHz		dB	10	35	-
442.0 ~ 469.0 MHz		dB	37	50	-
469.0 ~ 550.0 MHz		dB	40	50	-
Temperature coefficient of frequency		ppm/k	-	-36	-
Source impedance	Zs	Ω	-	50	-
Load impedance	Z_L	Ω	-	50	-

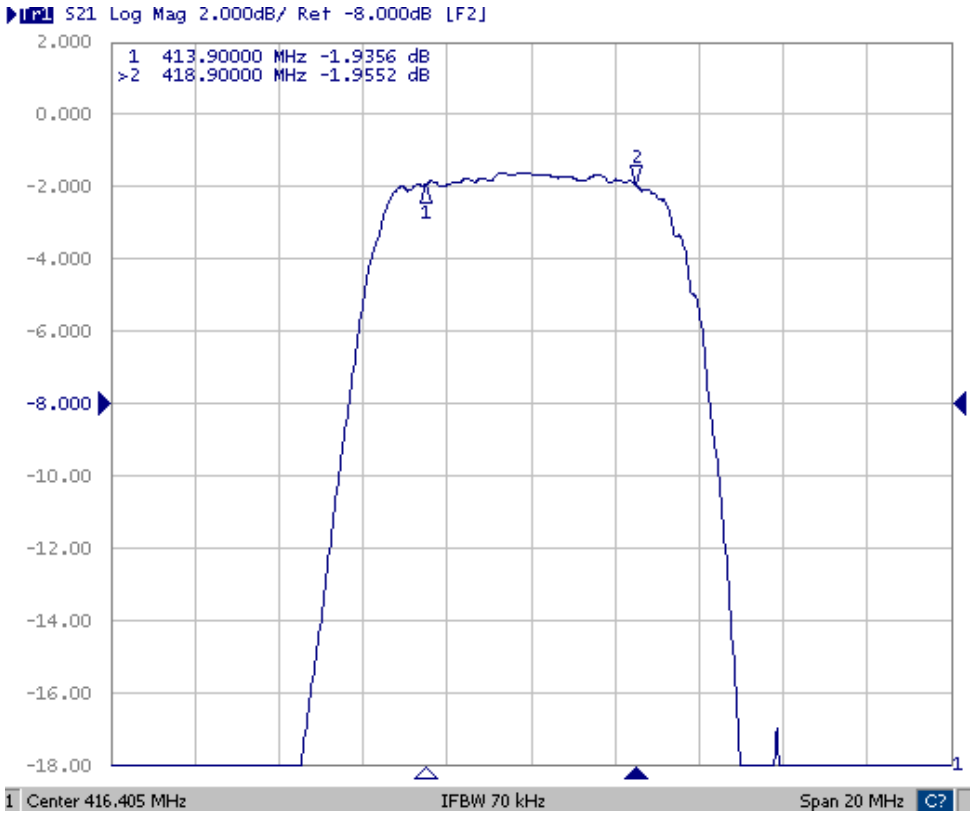
Note1. No matching network required for operation at 50Ω

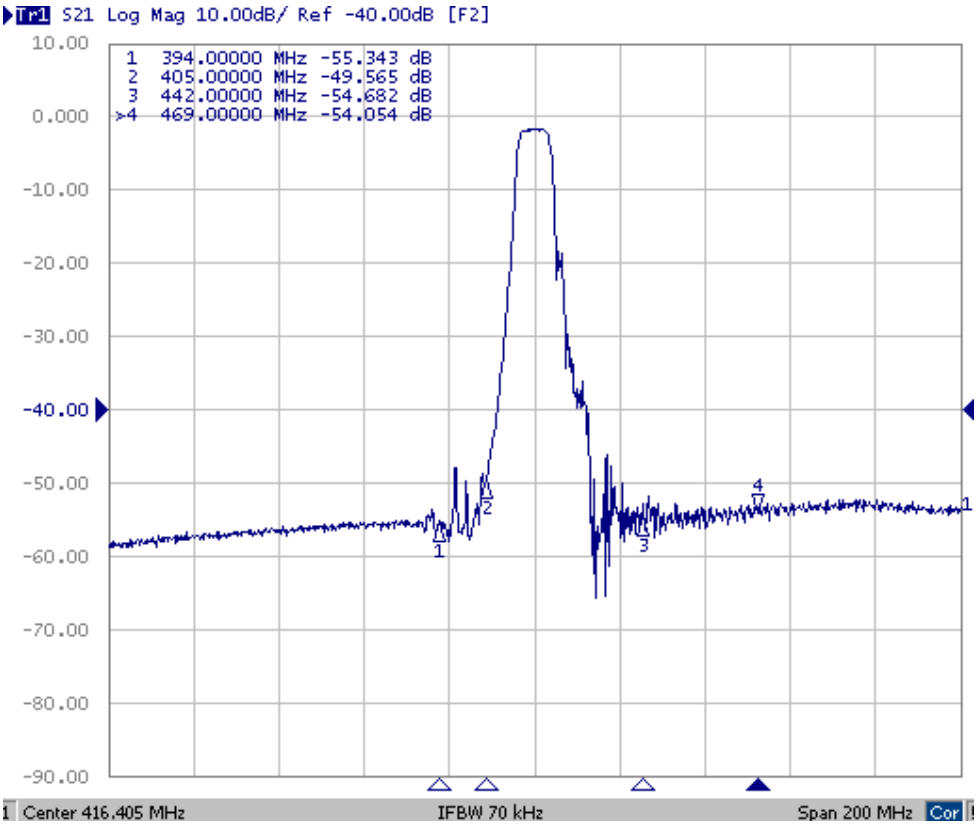
C. MEASUREMENT CIRCUIT:



TST DCC
Release document

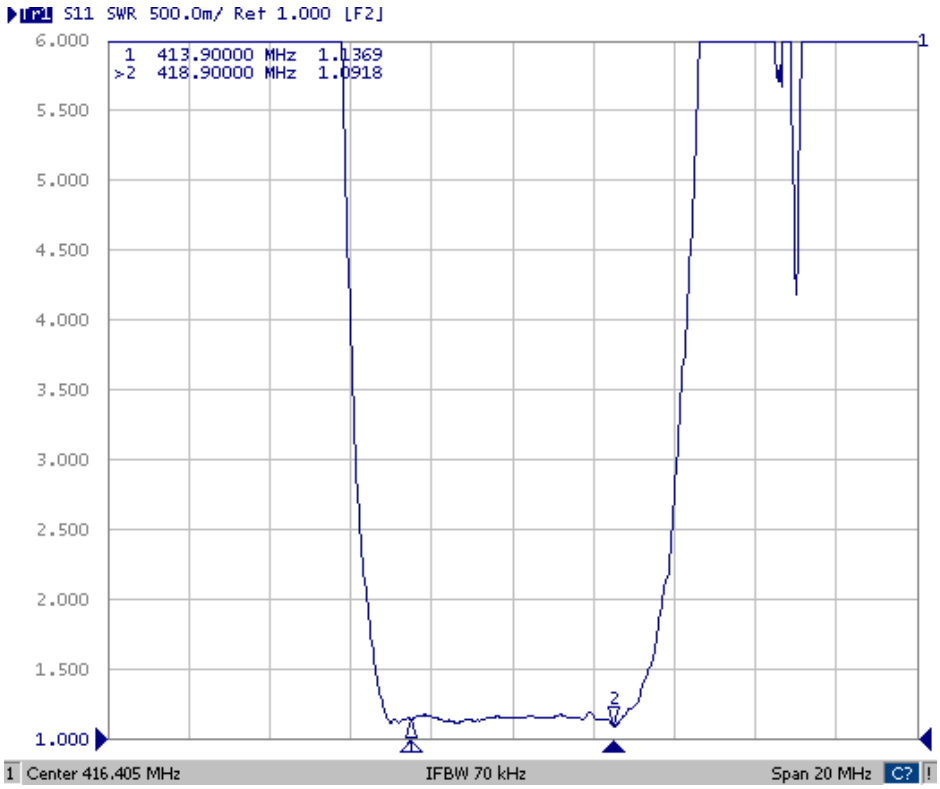
D. TRANSFER FUNCTION :



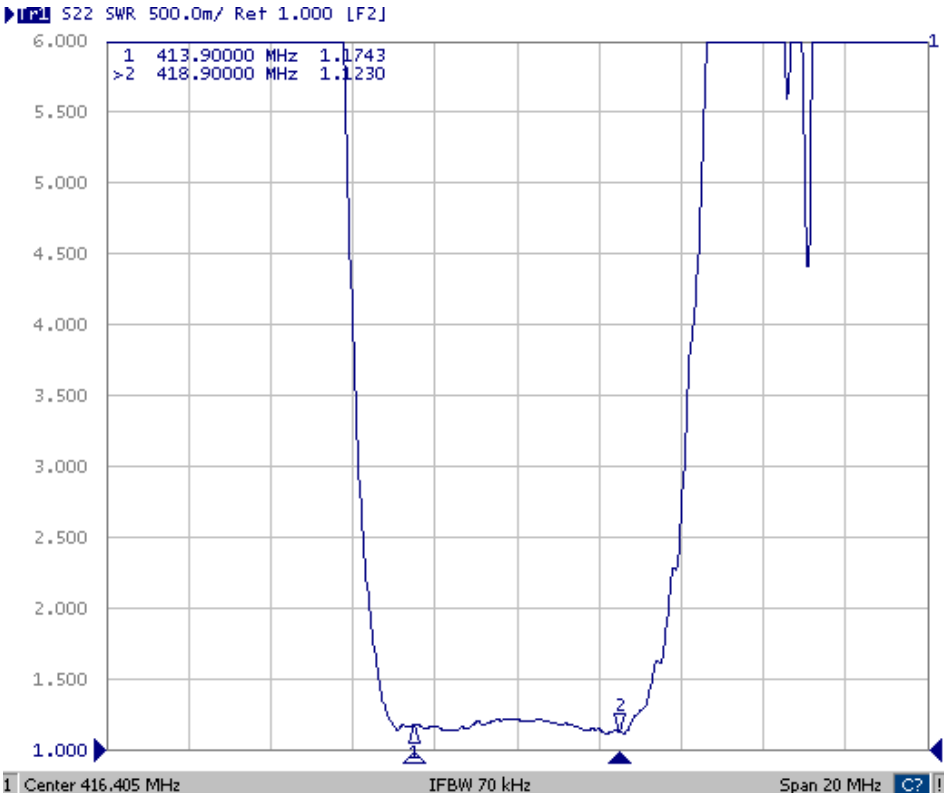


TST DCC
Release document

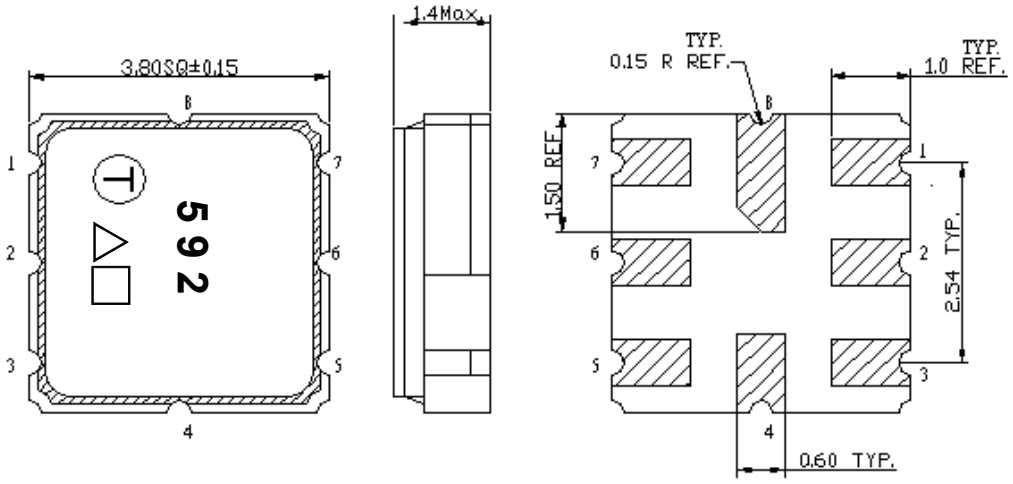
VSWR S11



VSWR S22



E.OUTLINE DRAWING:

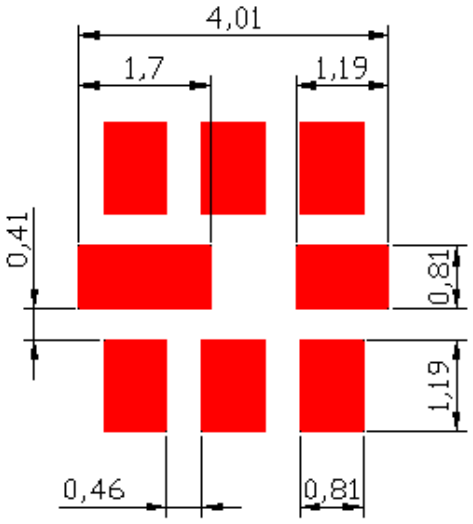


△ Product Year Code

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

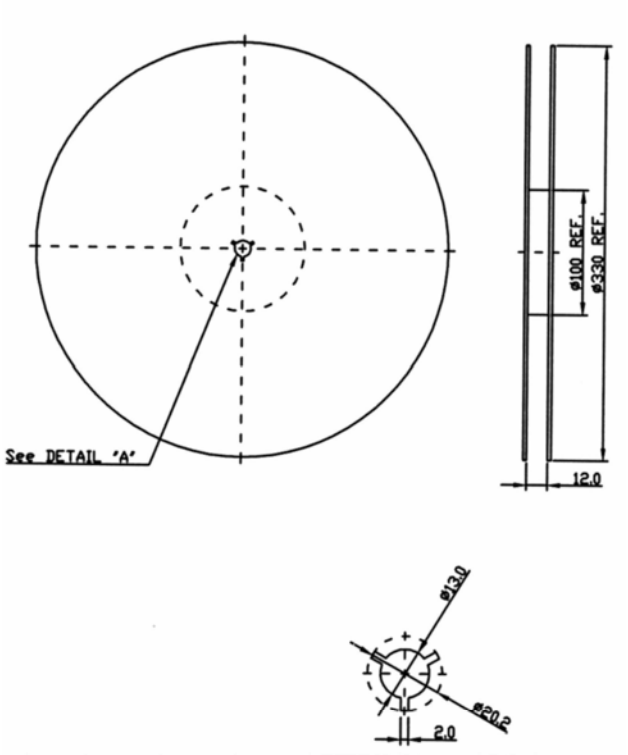
F.PCB FOOTPRINT:



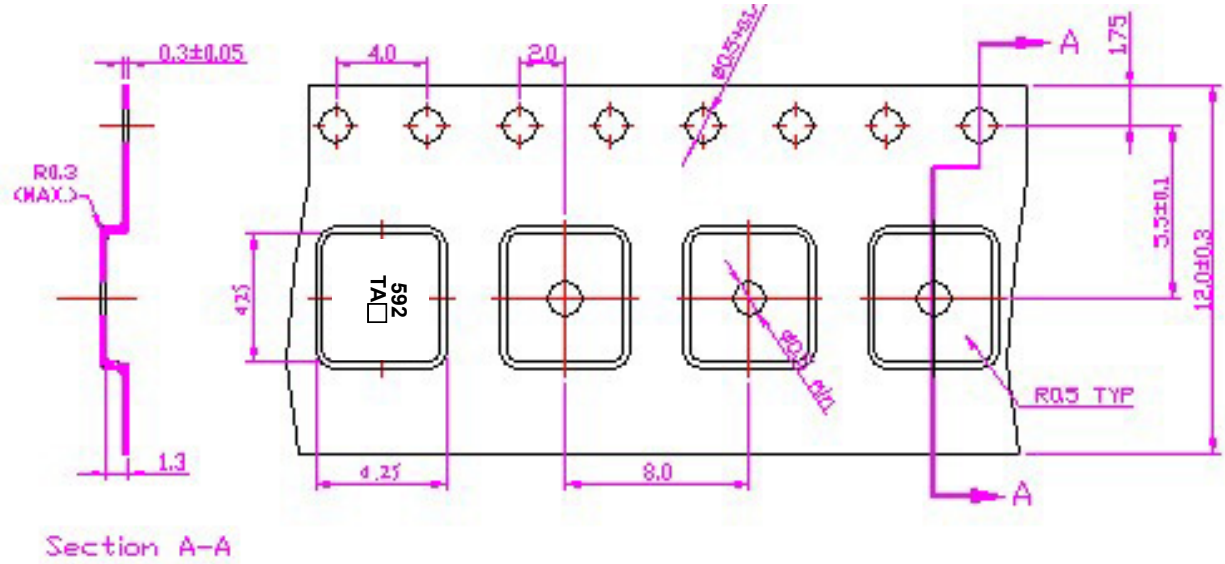
TST DCC
Release document

G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



Direction of Feed

TST DCC
Release document

H. REFLOW PROFILE