



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.

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Approval Sheet For Product Specification

Issued Date:

Product Name: SAW Filter 441.265MHz SMD 3.8×3.8mm

TST Parts No.: TA0594A

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 441.265MHz

MODEL NO.: TA0594A

REV. NO.:1

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

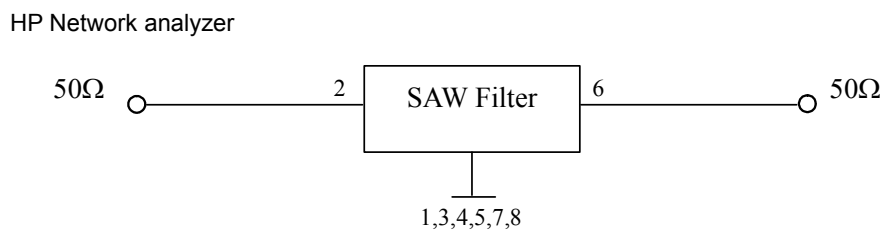
RoHS Compliant
Lead free
Lead-free soldering

B. CHARACTERISTICS:

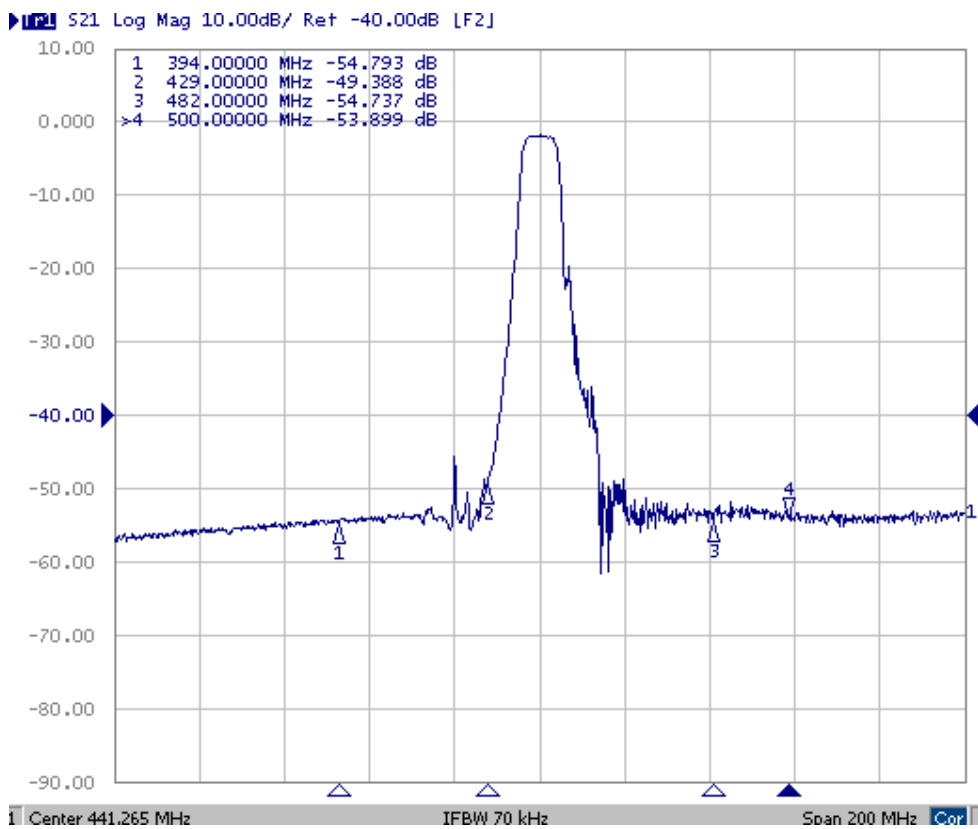
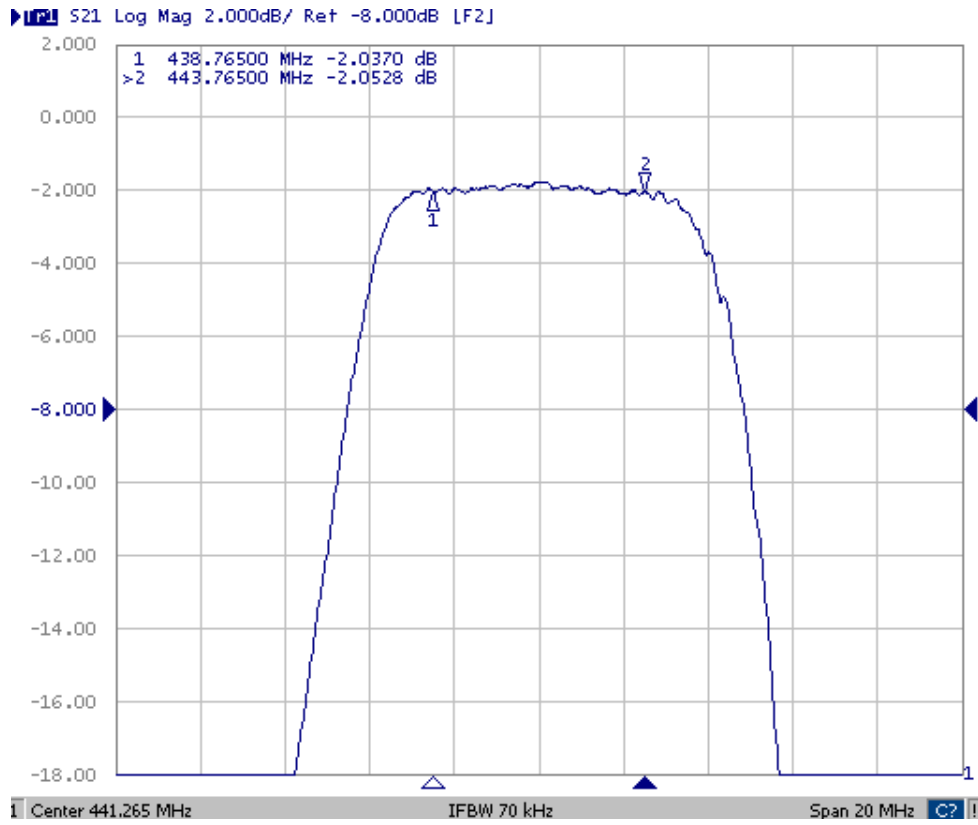
Item		Min.	Typical	Max.
Center frequency	F _c MH	-	441.265	-
Insertion loss	438.765 ~ 443.765 MHz IL	-	2.2	3.6
Amplitude ripple	438.765 ~ 443.765 MHz	-	0.7	2.1
VSWR	438.765 ~ 443.765 MHz	-	1.45	2.1
Attenuation (Reference level from 0 dB)				
1 ~ 385.0	MHz	40	50	-
385.0 ~ 394.0	MHz	31	50	-
394.0 ~ 429.0	MHz	10	35	-
482.0 ~ 500.0	MHz	37	50	-
500.0 ~ 550.0	MHz	40	50	-
Temperature coefficient of frequency	ppm/k	-	-36	-
Source impedance	Z _s Ω	-	50	-
Load impedance	Z _L Ω	-	50	-

Note1. No matching network required for operation at 50Ω

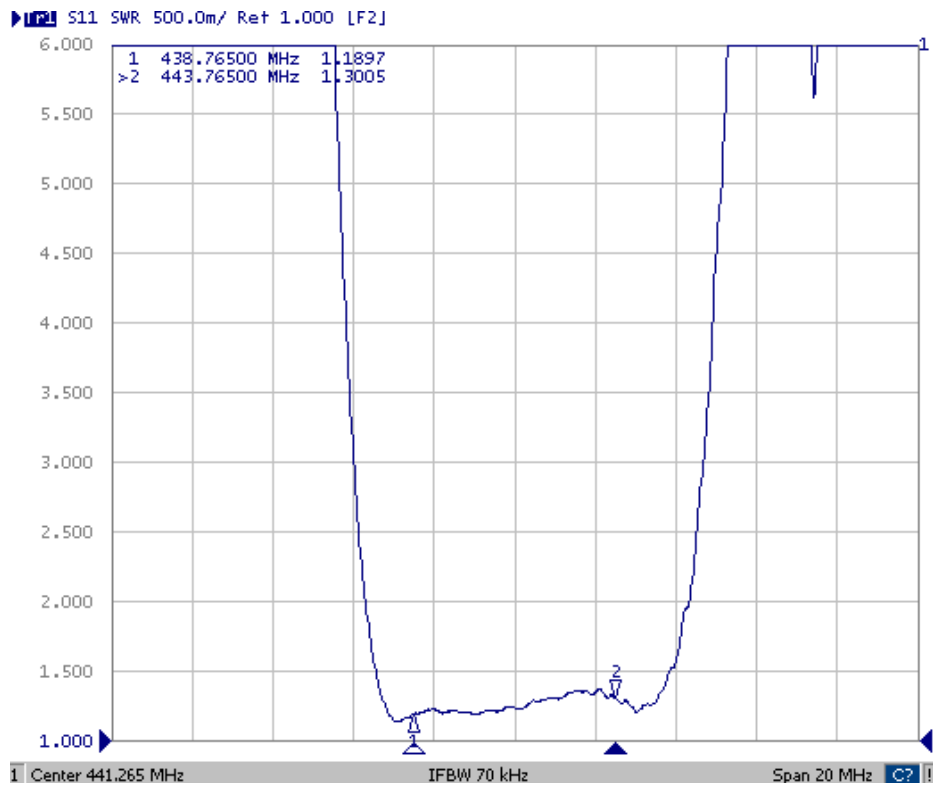
C. MEASUREMENT CIRCUIT:



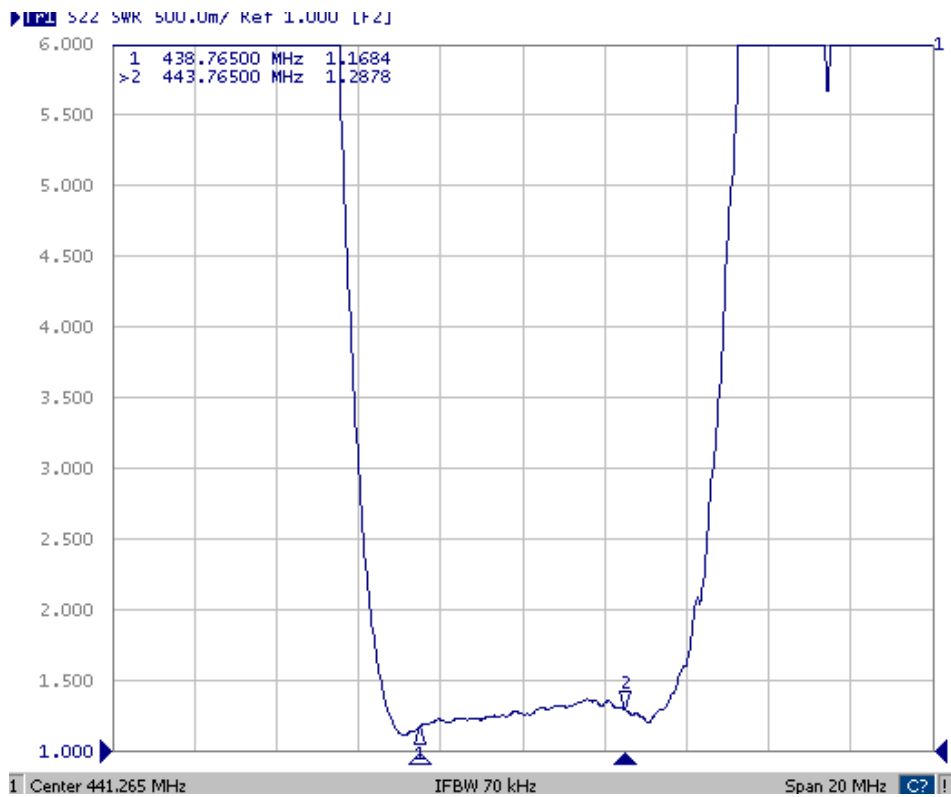
D. TRANSFER FUNCTION :



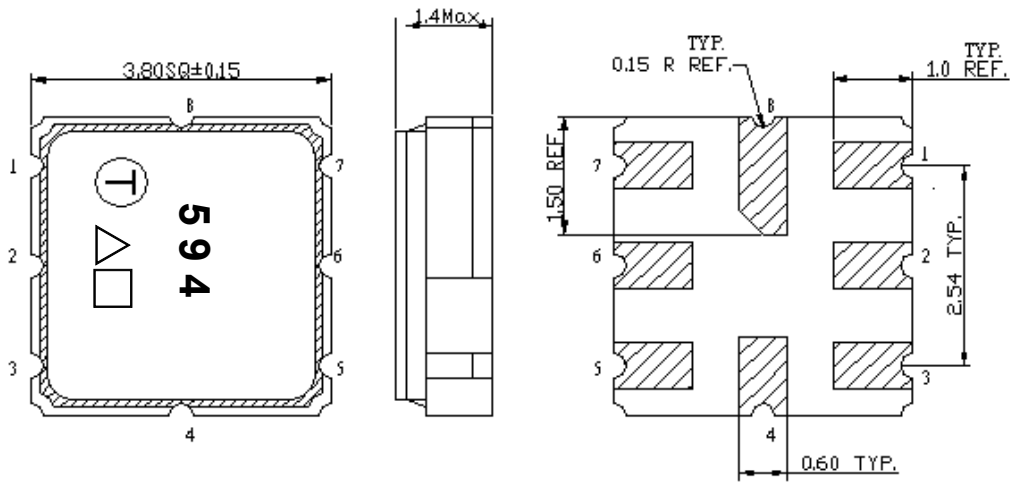
VSWR S11



VSWR S22



E.OUTLINE DRAWING:

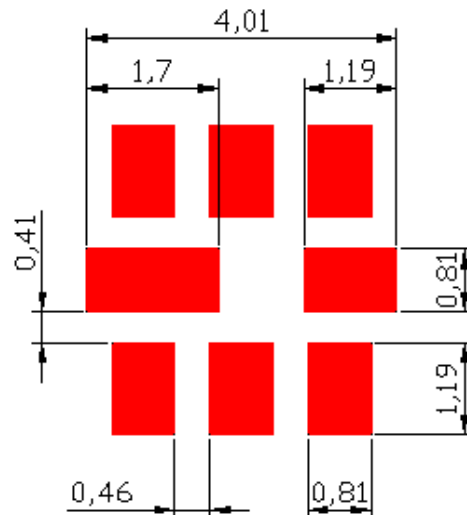


2 : Input
 6: Output
 1,3,4,5,7,8 Ground
 △:Year Code
 □: Date Code(Follow the table provided by planner each year.)
 Unit: mm

△ Product Year Code

Year	2005 2007 2009	2006 2008 2010
Product Code	A	a

F.PCB FOOTPRINT:



H. REFLOW PROFILE

