



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
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Product Specifications Approval Sheet

Product Description: SAW Filter 826.5 MHz SMD 3.8X3.8 mm

TST Part No.: TA1386A

Customer Part No.: _____

Customer signature required
Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: _____ Bob Chau 

Approved by: _____ Francis Chen 

Date: _____ 7, 13, 2011

1. Customer signed back is required before TST can proceed with sample build and receive orders.
2. Orders received without customer signed back will be regarded as agreement on the specifications.
3. Any specifications changes must be approved upon by both parties and a new revision of specifications shall be released to reflect the changes.



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SAW Filter 826.5 MHz

MODEL NO.:TA1386A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: +10 dBm
2. DC Voltage : 5V
3. Operating Temperature: -20°C to +70°C
4. Storage Temperature: -40°C to +85°C

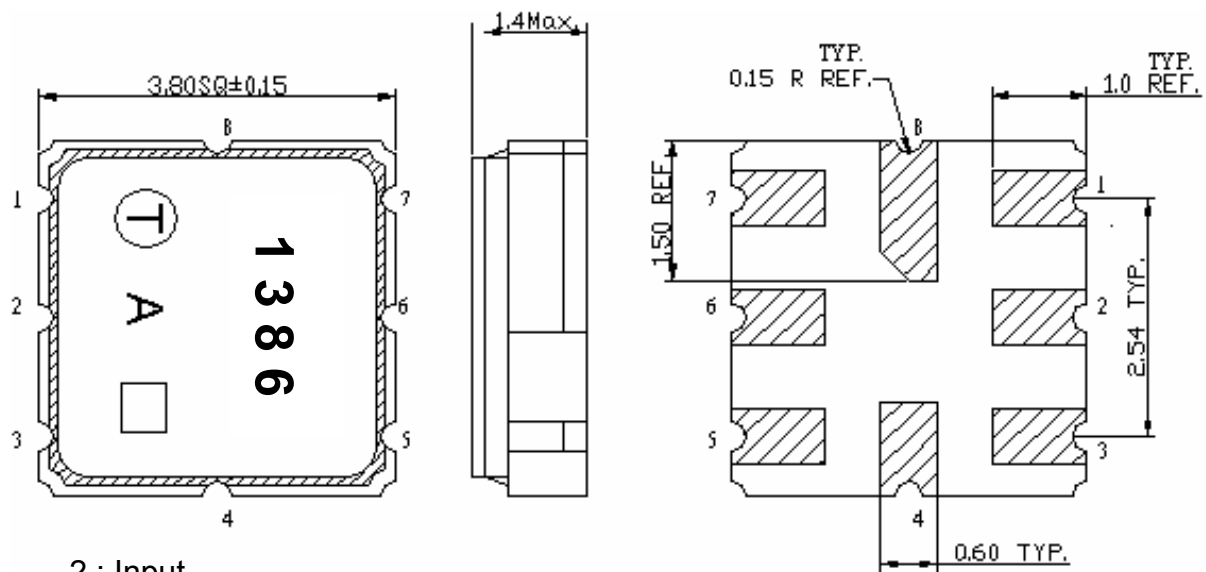
RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency Fc	MHz	-	826.5	-	-
Insertion Loss at Fc IL	dB	-	2.5	3.5	-
Amplitude Ripple (822~831 MHz)	dB	-	0.4	2.2	-
VSWR (822 ~ 831 MHz)		-	1.4	2.5	-
Attenuation (Reference level from 0 dB)					
DC ~ 800 MHz	dB	45	55	-	-
800 ~ 805 MHz	dB	30	50	-	-
805 ~ 815 MHz	dB	10	24	-	-
838 ~ 850 MHz	dB	10	20	-	-
850 ~ 860 MHz	dB	30	47	-	-
860 ~ 1000 MHz	dB	45	60	-	-
Temperature Coefficient of Frequency	ppm/°C	-	-36	-	-

C.OUTLINE DRAWING:



2 : Input

6: Output

1,3,4,5,7,8: Ground

□ : Date Code (W01->A,...,W27->a,...W52->z)

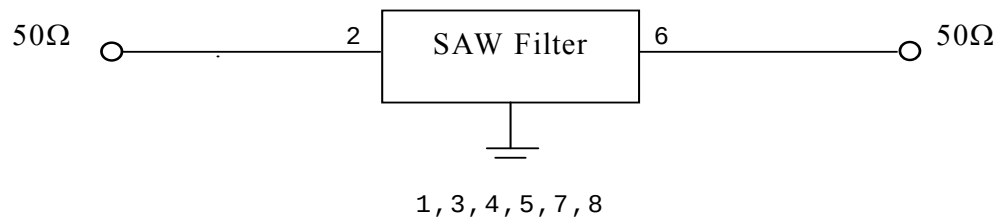
Unit: mm

Product Year Code

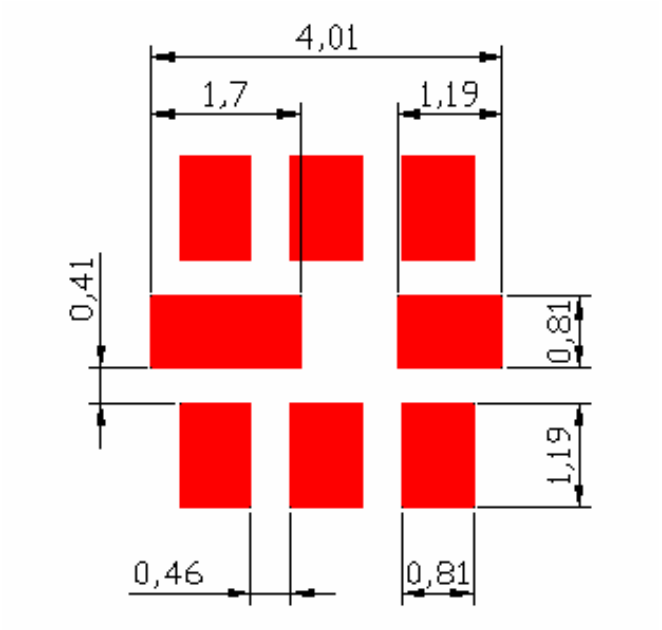
Year	2009 2013	2010 2014	2011 2015	2012 2016
Product Code	A	a	A	a

D. MEASUREMENT CIRCUIT:

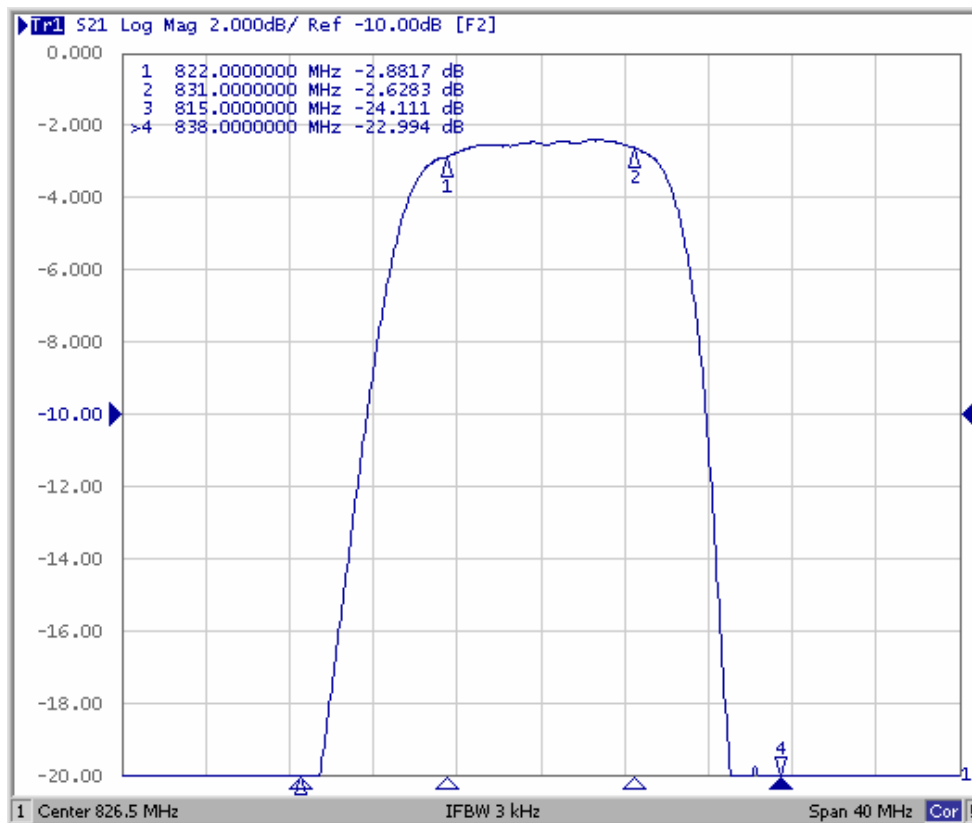
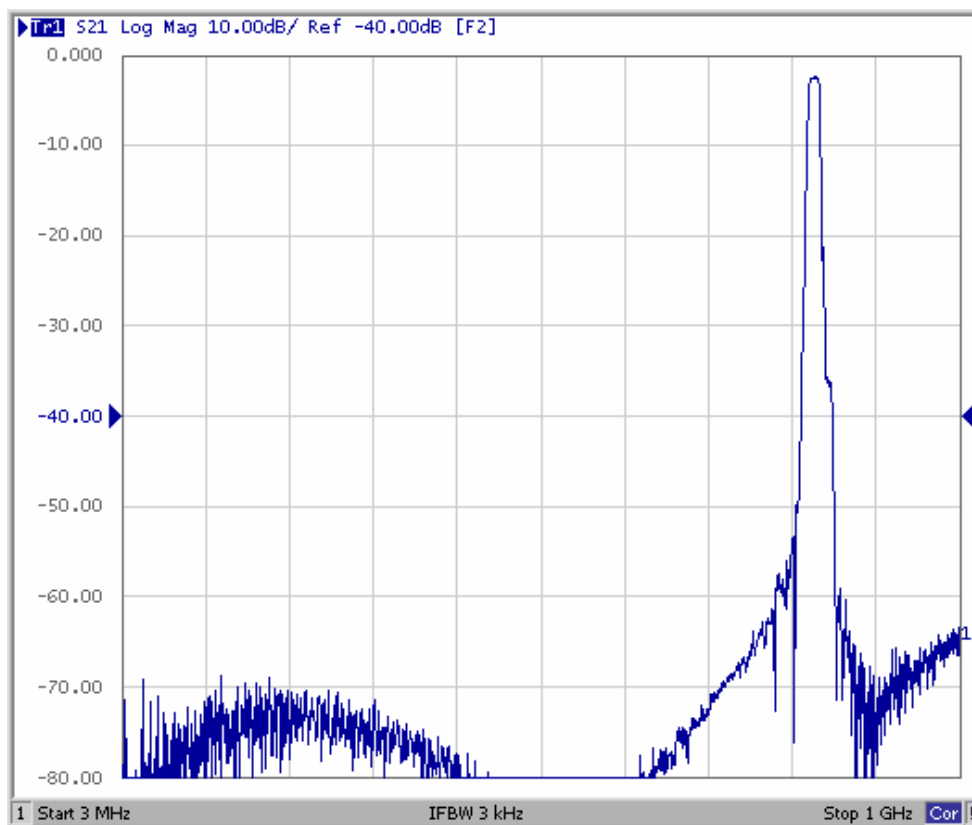
HP Network analyzer



E. PCB Footprint:

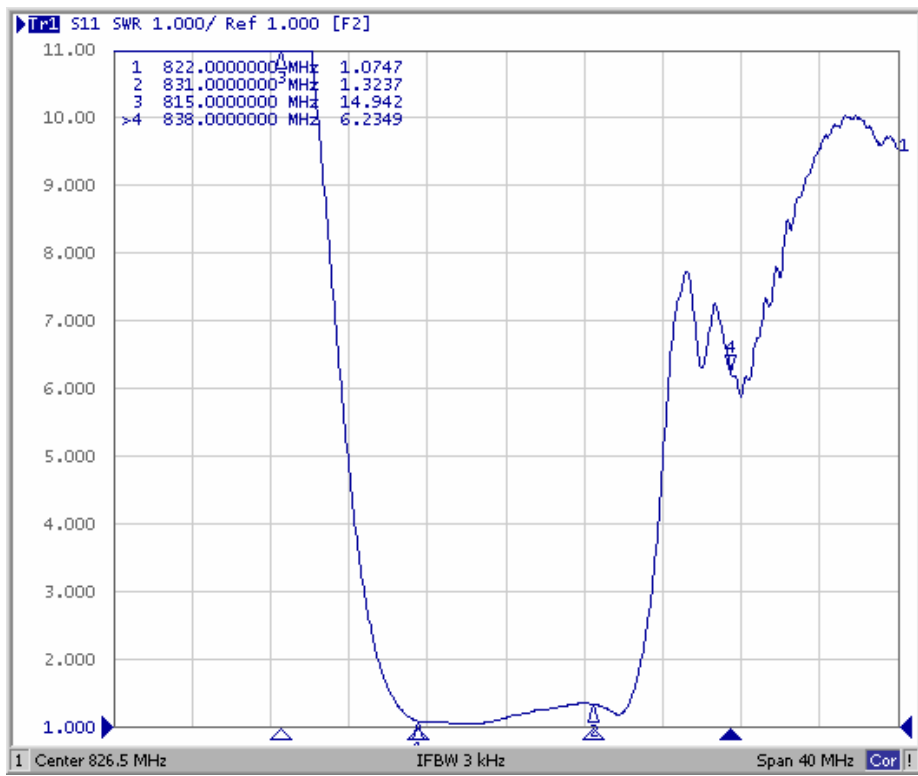


F. Frequency Characteristics :

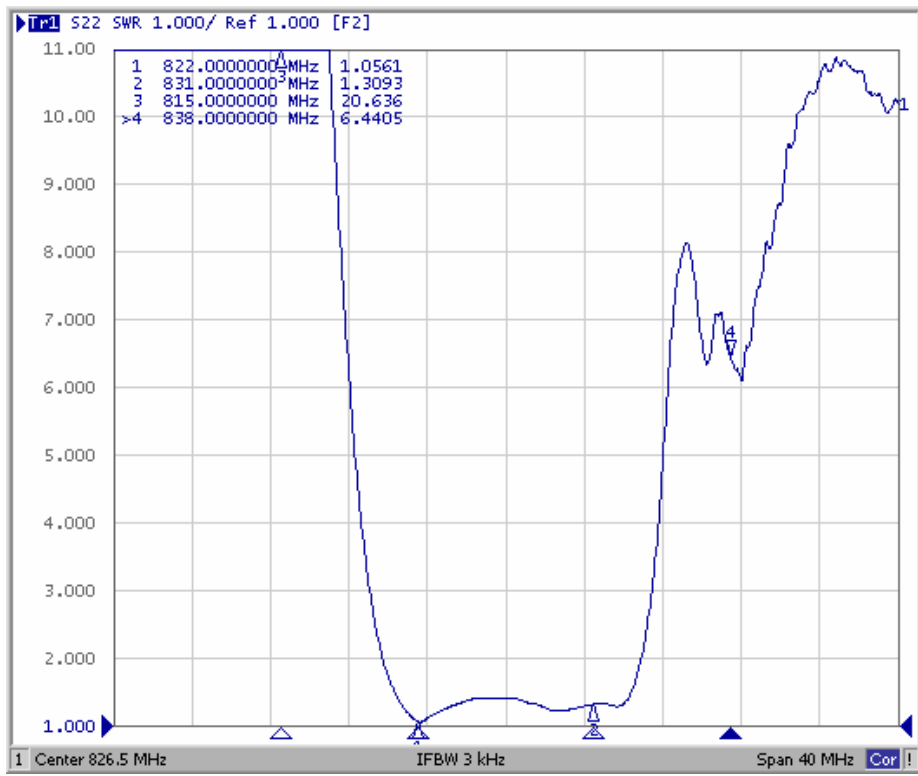


Reflection Functions :

S11



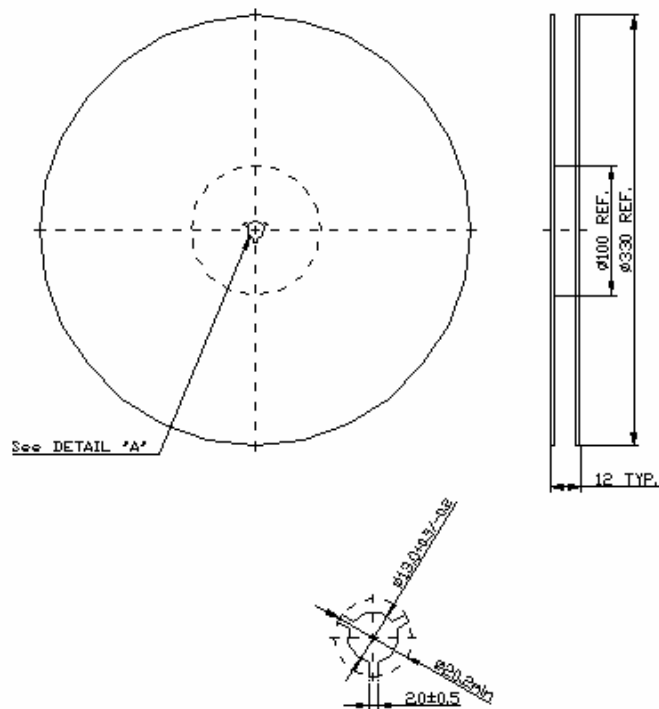
S22



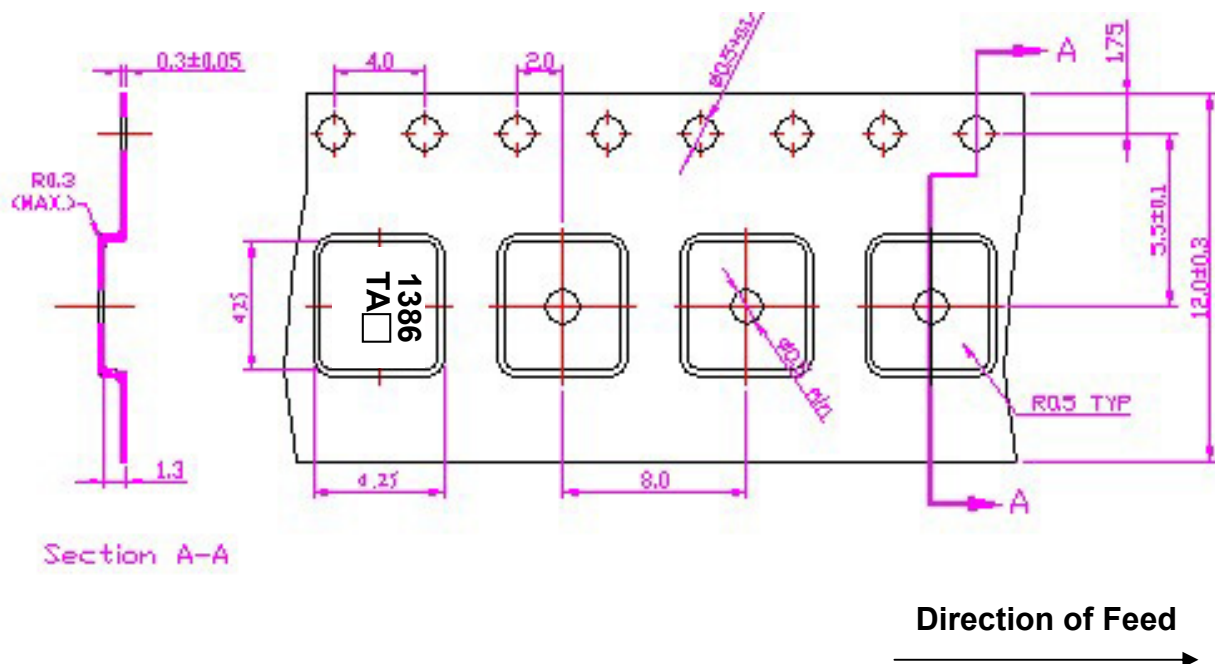
G. PACKING:

1. REEL DIMENSION

(Reel Count : 7"=1000 ; 13"=3000)



2.TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

1. Preheating shall be fixed at 150~180°C for 60~90 seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
3. Heating shall be fixed at 220°C for 50~80 seconds and at 245~260°C peak (min. 10sec).
4. Time : 2 times.

