



TAI-SAW TECHNOLOGY CO., LTD.

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

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Product Specification Approval Sheet


Product Name: SAW Filter 915.3 MHz SMD 3.8X3.8 mm

TST Parts No.: TA0832A

Customer Parts No.: _____

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

Checked by: _____ Anne Chen 

Approved by: _____ Bob Chau 

Date: _____ 06, 24, 2014

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 915.3 MHz

MODEL NO.:TA0832A

REV. NO.:3

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -20 °C to +75 °C
4. Storage Temperature: -40 °C to +85 °C

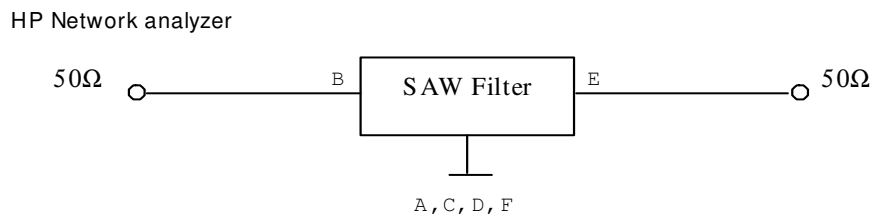
RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device (ESD)

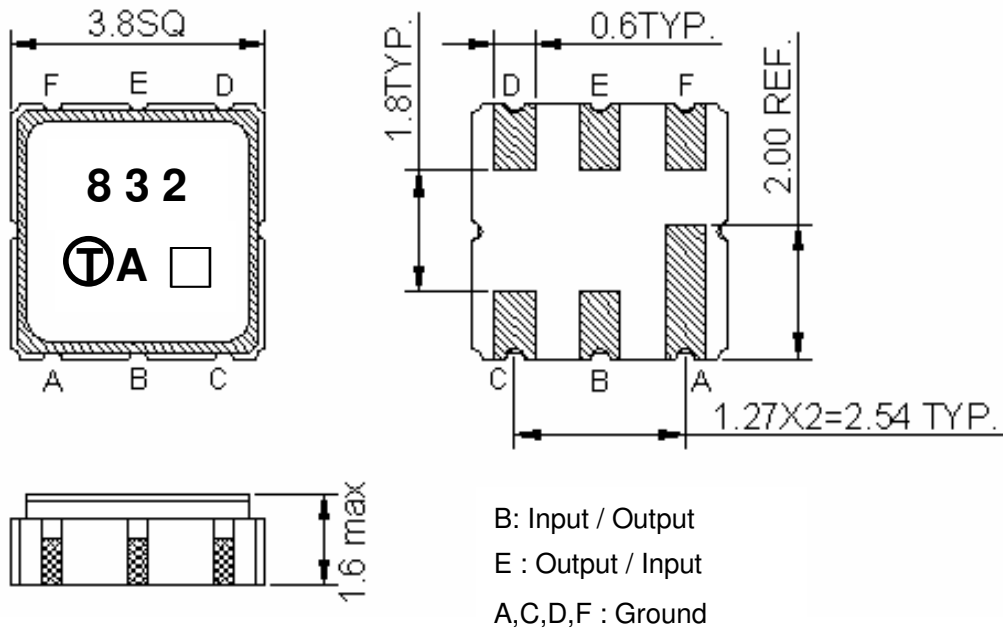
B. ELECTRICAL CHARACTERISTICS: (Ambient temperature : 25°C)

Item	Unit	Min.	Type.	Max.	Note
Center Frequency	Fc	MHz	-	915.3	-
Insertion Loss at Fc	IL	dB	-	1.3	3.5
Lower 3 dB Band Edge		MHz	-	901	904.4
Upper 3 dB Band Edge		MHz	926.2	928.5	-
Amplitude Variation (904.4 ~ 926.2 MHz)		dB	-	1.5	3
Group Delay Variation (904.4 ~ 926.2 MHz)		ns	-	35	80
Attenuation (Reference level from IL)					
200 ~ 888.3	MHz	dB	35	43	-
888.3 ~ 894	MHz	dB	15	21	-
942.3 ~ 1400	MHz	dB	40	46	-
Temperature Coefficient of Frequency		Ppm/°C	-	-36	-

C. MEASUREMENT CIRCUIT:

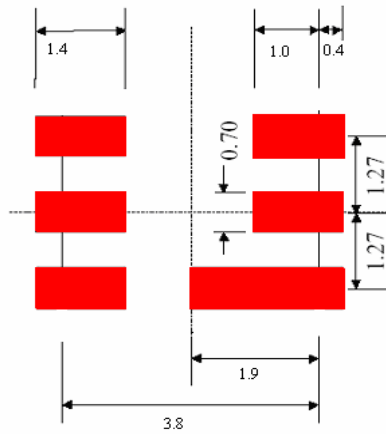


D.OUTLINE DRAWING:

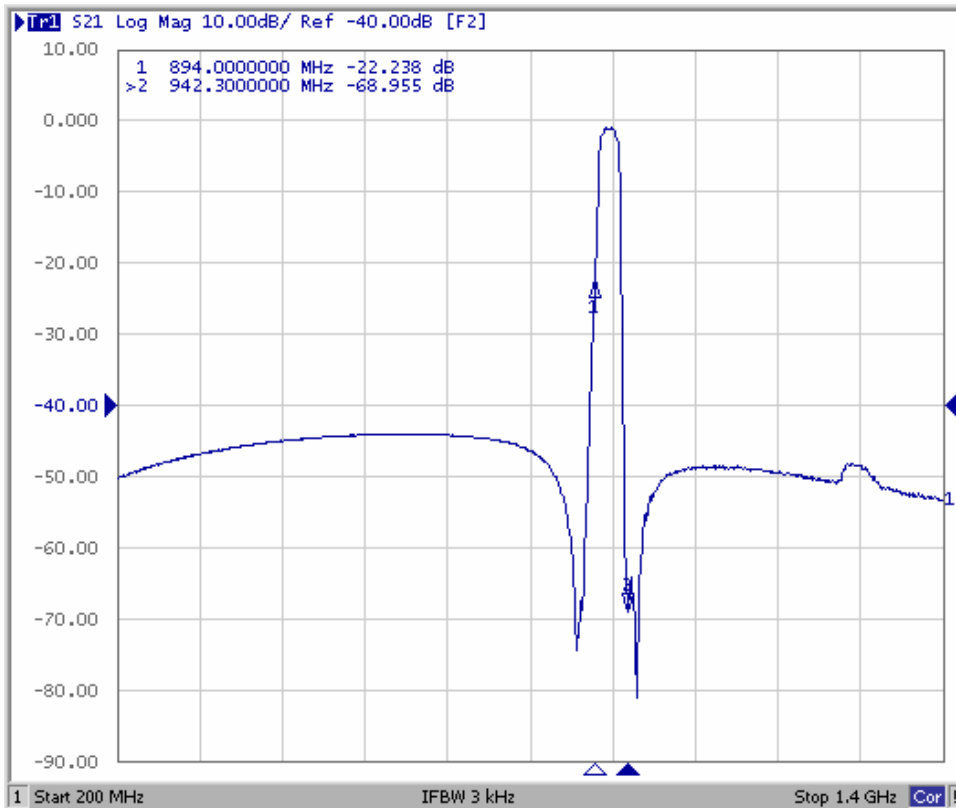
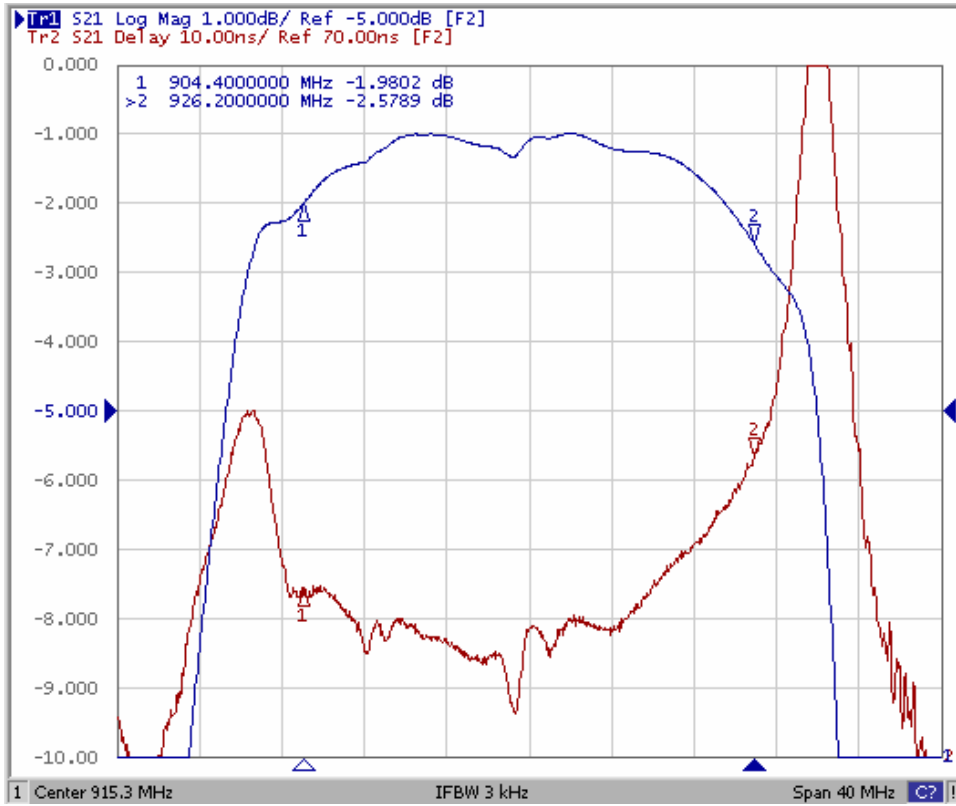


□ : Date Code (Follow the table provided by planner each year.)

E. PCB Footprint:

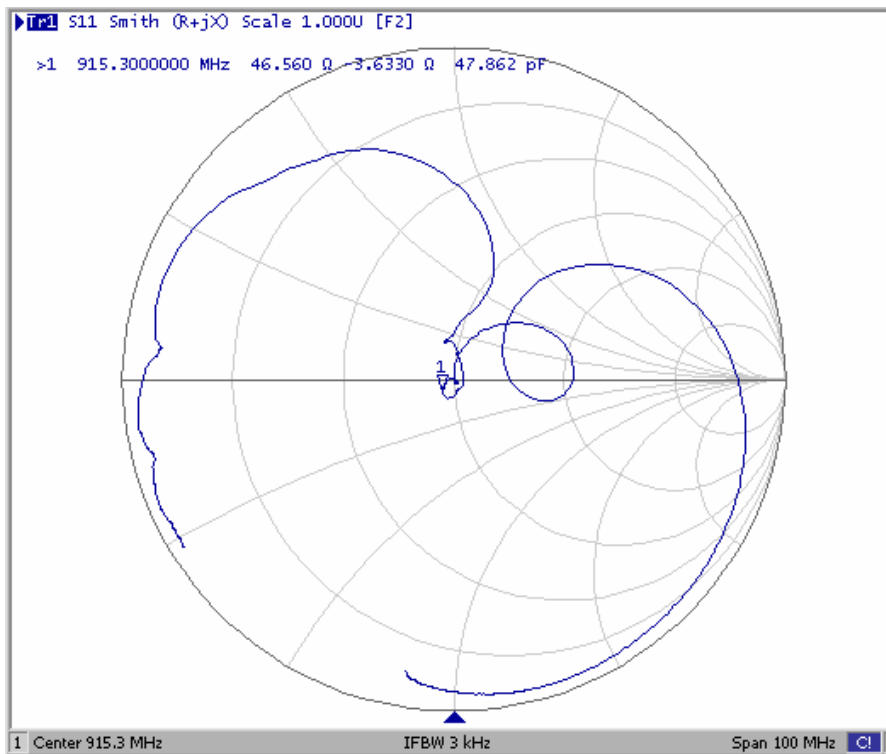
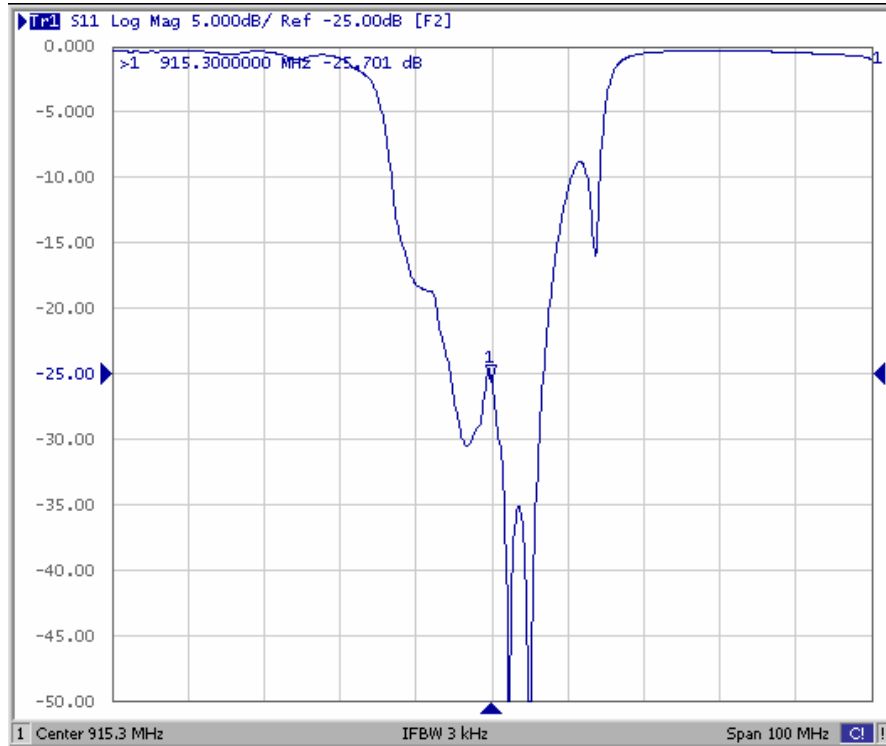


F. Frequency Characteristics :

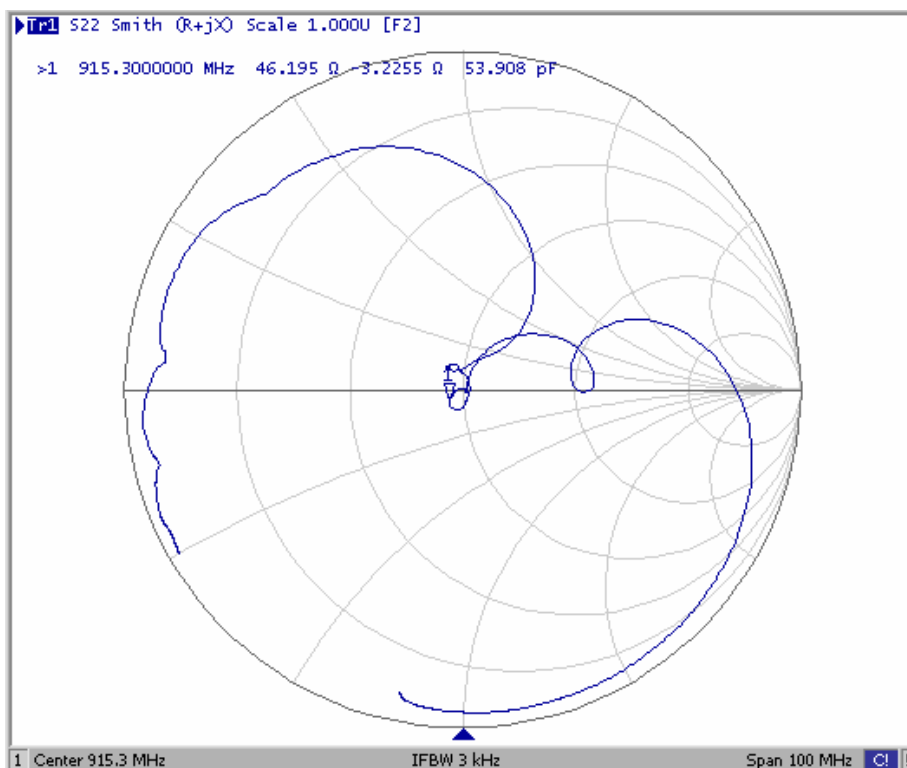
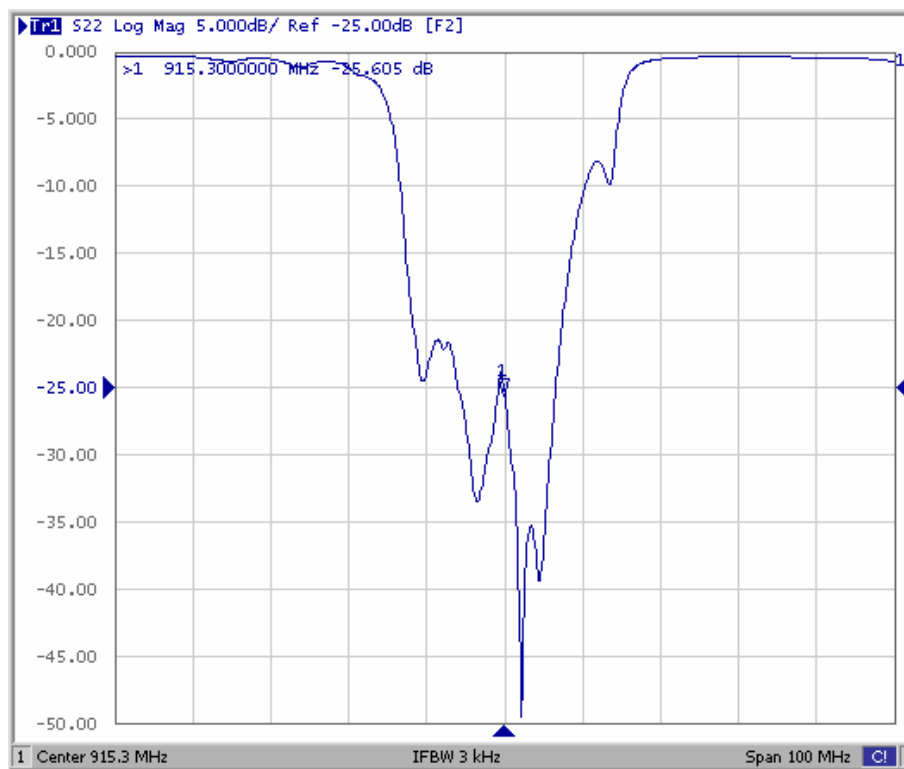


Reflection Functions :

S11



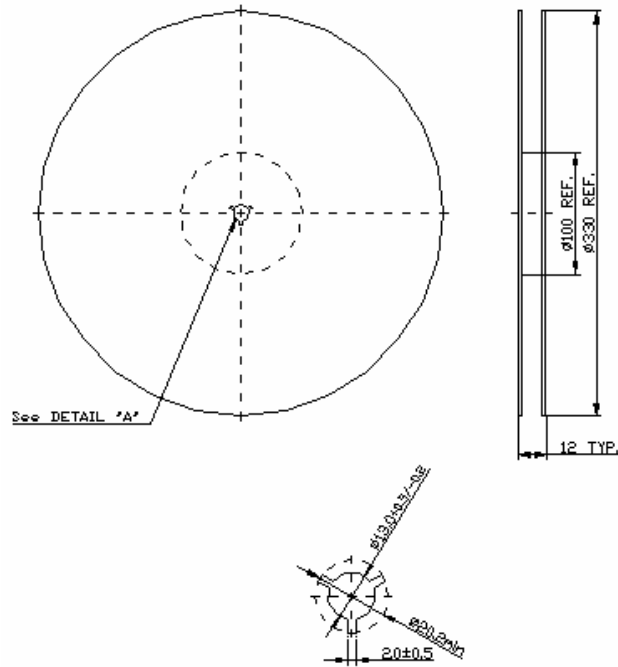
S22



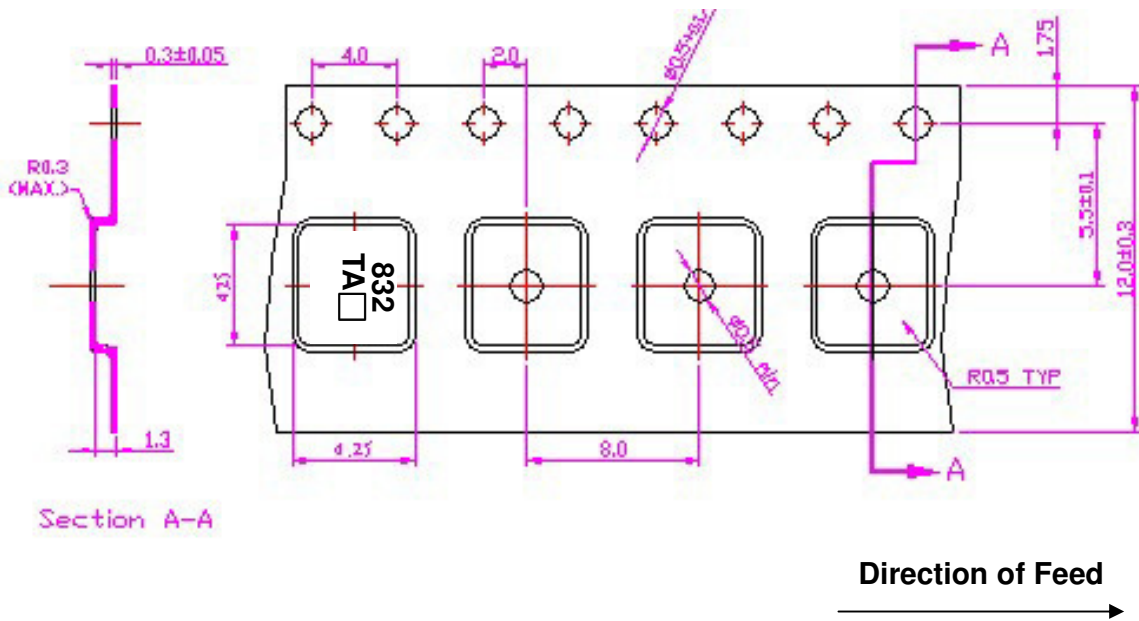
G. PACKING:

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.

