



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

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Product Specifications Approval Sheet

Product Description: SAW Filter 832 MHz SMD 3.8X3.8 mm (BW=25.5MHz)

TST Part No.: TA1300A

Customer Part No.: _____

Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Kevin 

Approved by: _____ Francis Chen 

Date: _____ 1/28/2011

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 832 MHz

MODEL NO.: TA1300A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 10 dB_m
2. DC voltage: 5 V
3. Operating Temperature: -30°C to 60°C
4. Storage Temperature: -30°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

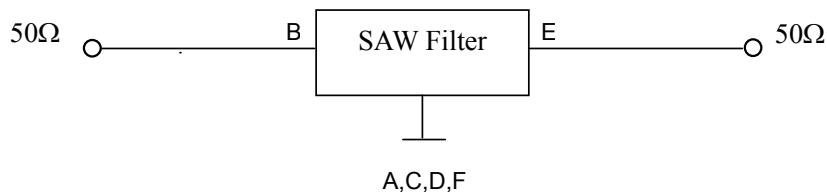
B. CHARACTERISTICS:

Item		Unit	Min.	Typ.	Max.
Center frequency	Fc MHz		-	832	-
3dB Bandwidth	MHz	dB	25.5	35	-
Amplitude ripple	819.2 ~ 844.7 MHz	dB	-	1.4	1.7
Insertion loss	819.2 ~ 844.7 MHz	dB	-	2.4	3.0
Group Delay variation within	819.2 ~ 844.7 MHz	ns	-	25	200
Attenuation (reference from 0dB)					
0.3 ~ 756 MHz		dB	40	52	-
756 ~ 806 MHz		dB	10	15	-
858 ~ 822 MHz		dB	10	15	-
922 ~ 956 MHz		dB	40	53	-
956 ~ 1205 MHz		dB	45	52	-
Source impedance	Z _S	Ω	-	50	-
Load impedance	Z _L	Ω	-	50	-

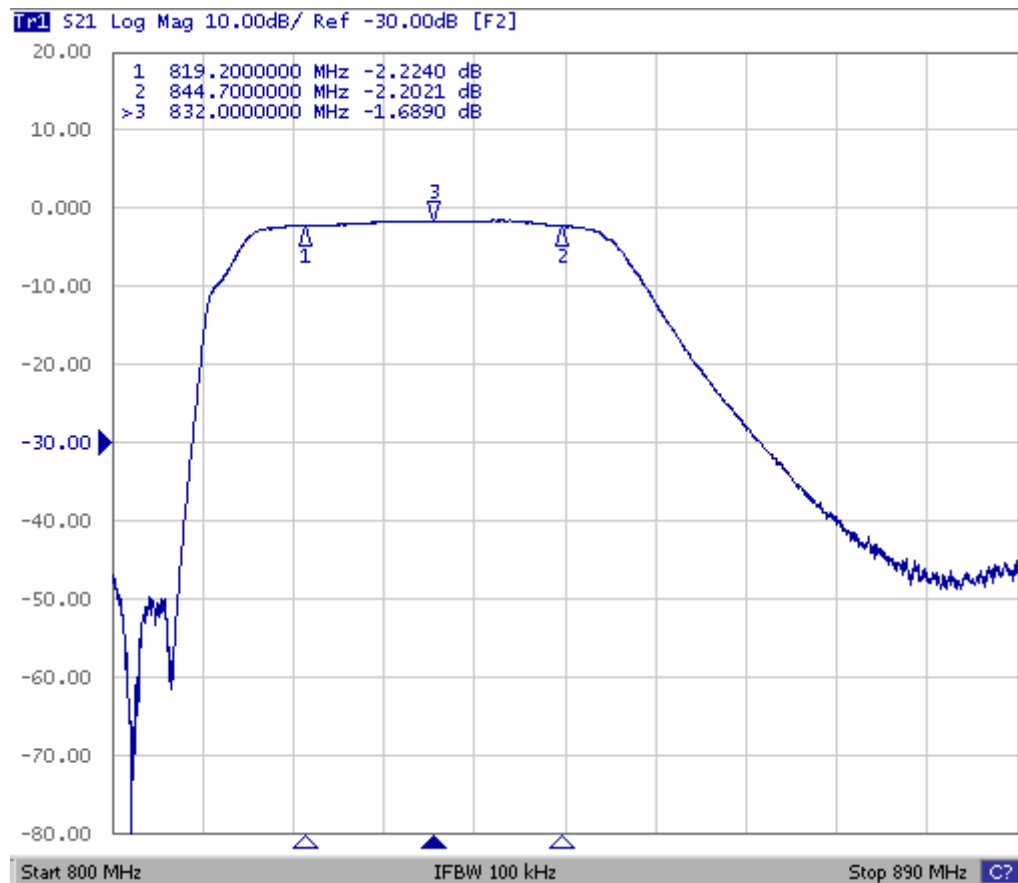
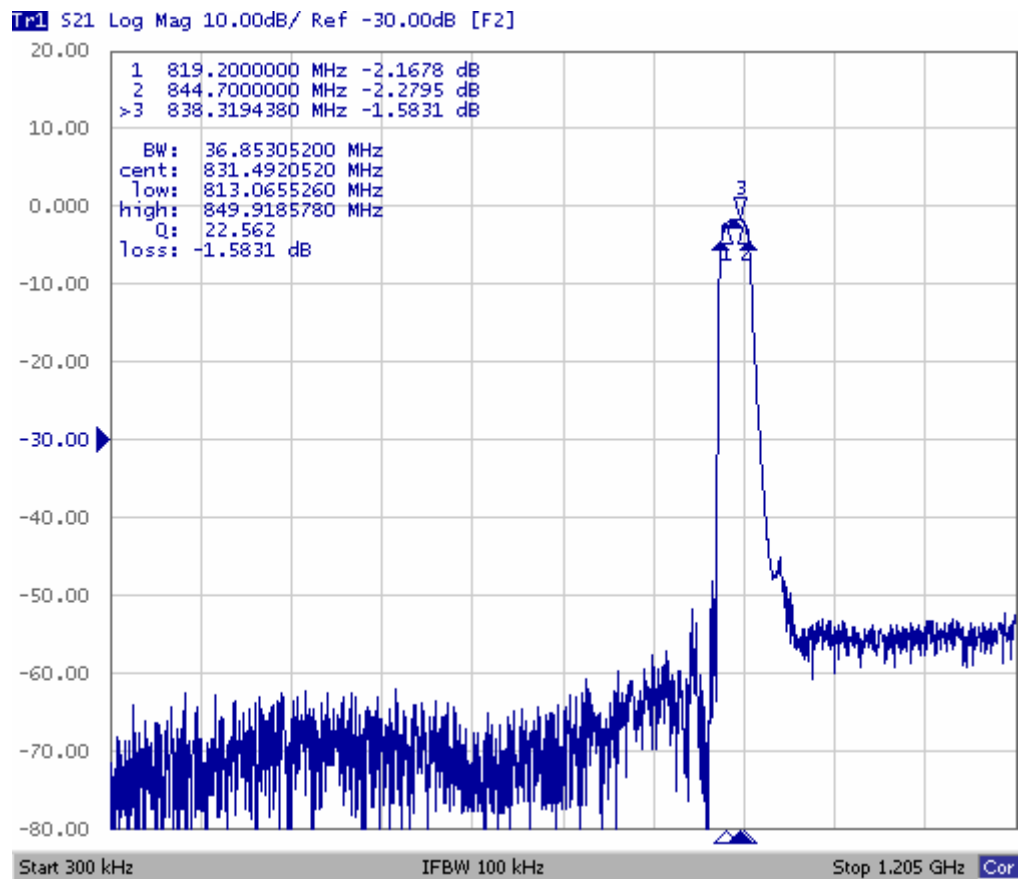
Note1. No matching network required for operation at 50Ω

C. MEASUREMENT CIRCUIT:

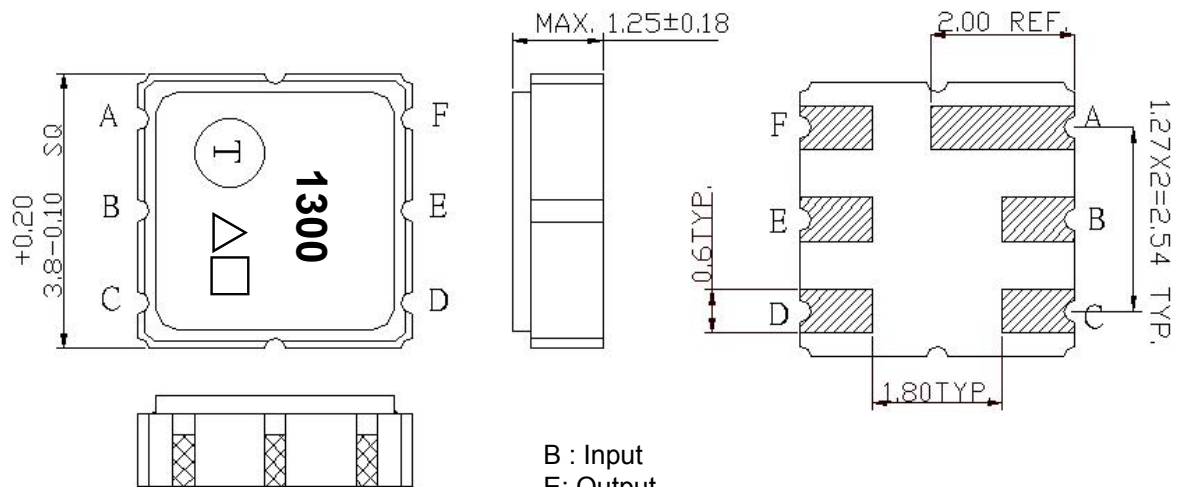
HP Network analyzer



D. TRANSFER FUNCTION :



E.OUTLINE DRAWING:



B : Input
 E: Output
 A,C,D,F Ground

△:Year Code

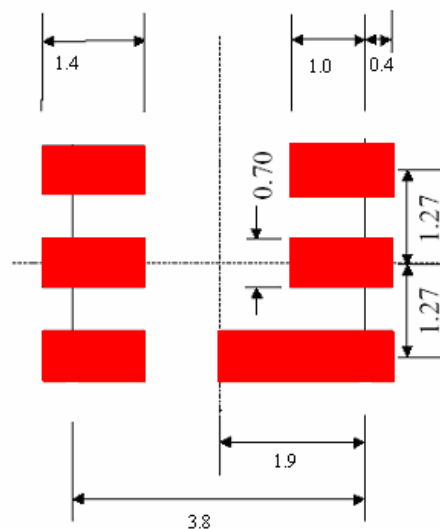
□: Date Code(Follow the table provided by planner each year.)

Unit: mm

△ Product Year Code

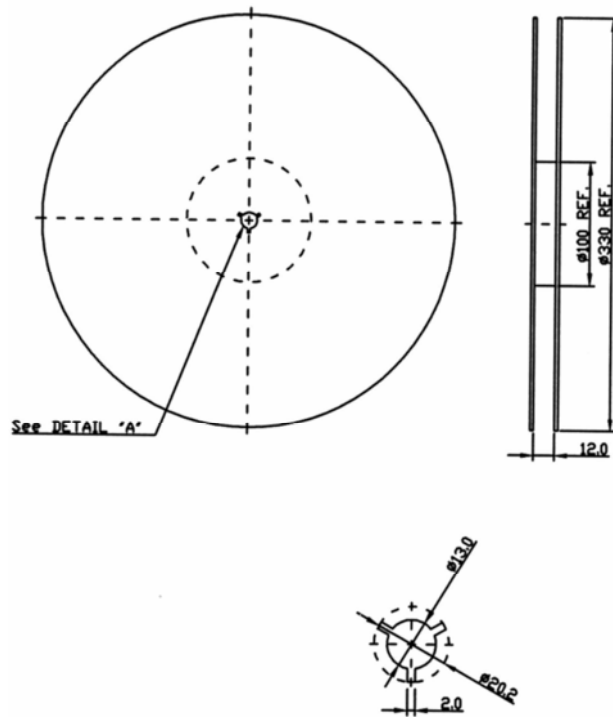
Year	2011	2012
	2013 2015	2014 2016
Product Code	A	a

F.PCB FOOTPRINT:

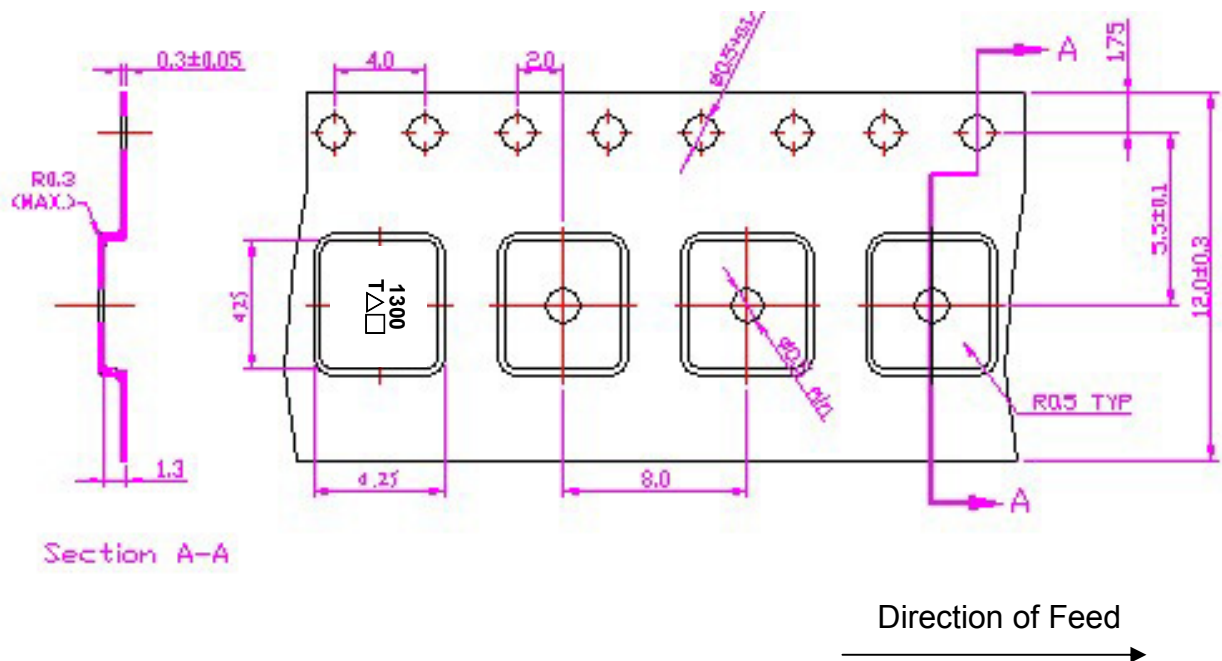


G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



H. REFLOW PROFILE

