



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

Product Specifications Approval Sheet

Product Description: SAW Filter 850 MHz SMD 3.8X3.8 mm (BW=25MHz)

TST Part No.: TA1301A

Customer Part No.: _____

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

Checked by: _____ Kevin *Kevin*

Approved by: _____ Francis Chen *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 850 MHz

MODEL NO.: TA1301A

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

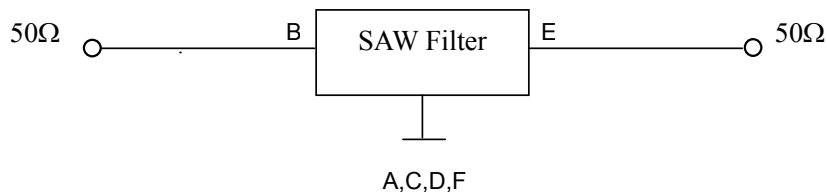
B. CHARACTERISTICS:

Item		Unit	Min.	Typ.	Max.
Center frequency	Fc MHz		-	850	-
3dB Bandwidth	MHz	dB	25.5	35	-
Amplitude ripple	837.5 ~ 862.5 MHz	dB	-	1.4	1.7
Insertion loss	837.5 ~ 862.5 MHz	dB	-	2.4	3.0
Group Delay variation within	837.5 ~ 862.5 MHz	ns	-	25	200
Attenuation (reference from 0dB)					
0.3 ~ 775 MHz		dB	40	52	-
775 ~ 824 MHz		dB	10	26	-
876 ~ 940 MHz		dB	10	18	-
940 ~ 985 MHz		dB	40	53	-
985 ~ 1300 MHz		dB	45	52	-
Source impedance	Z _S	Ω	-	50	-
Load impedance	Z _L	Ω	-	50	-

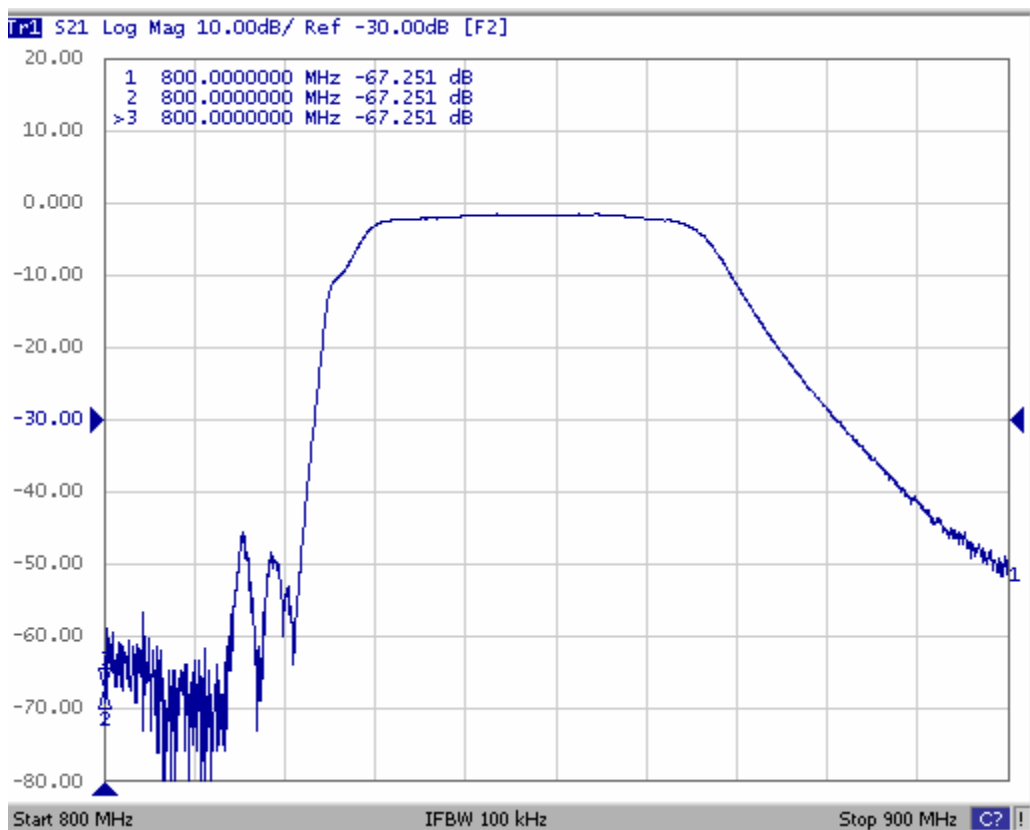
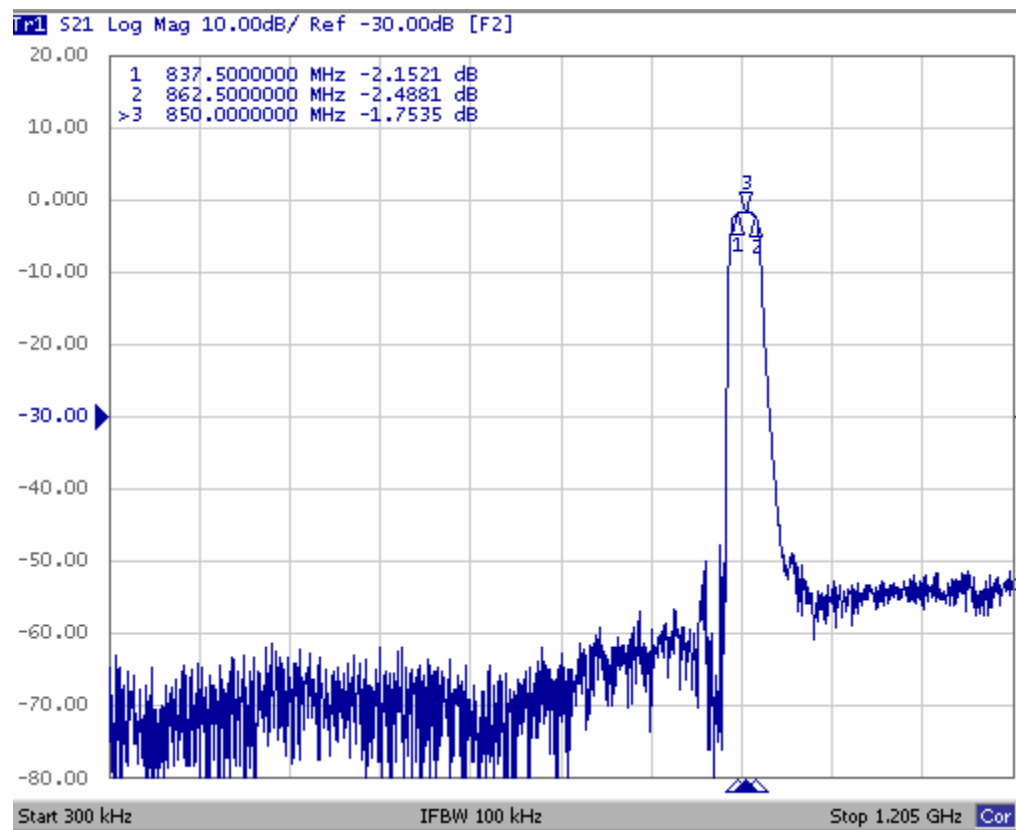
Note1. No matching network required for operation at 50Ω

C. MEASUREMENT CIRCUIT:

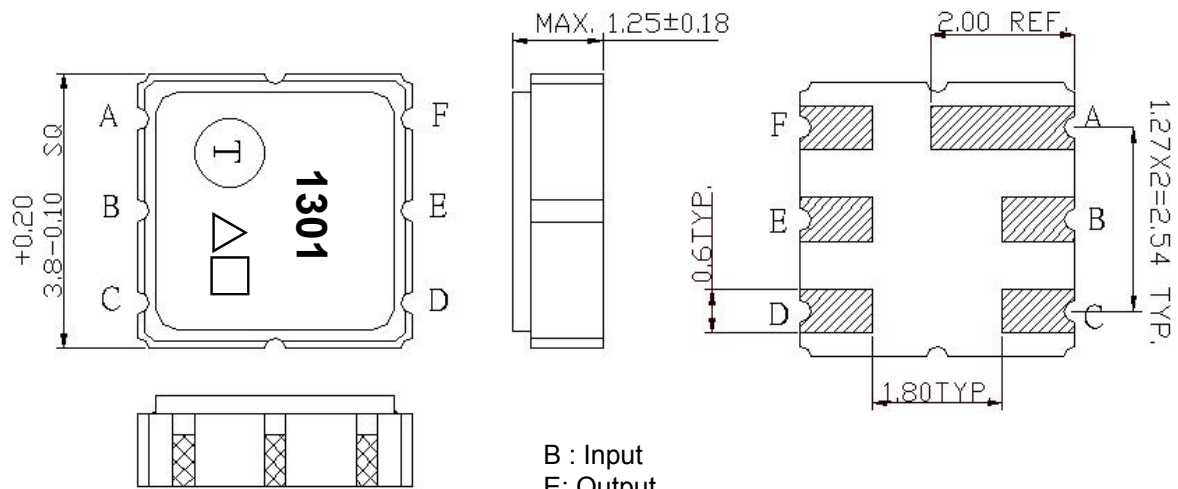
HP Network analyzer



D. TRANSFER FUNCTION :



E.OUTLINE DRAWING:



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

△:Year Code

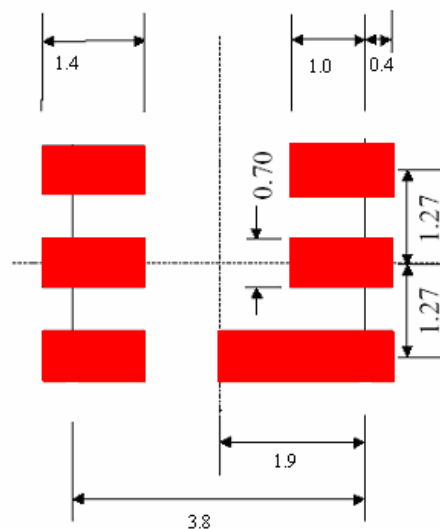
□: Date Code(Follow the table provided by planner each year.)

Unit: mm

△ Product Year Code

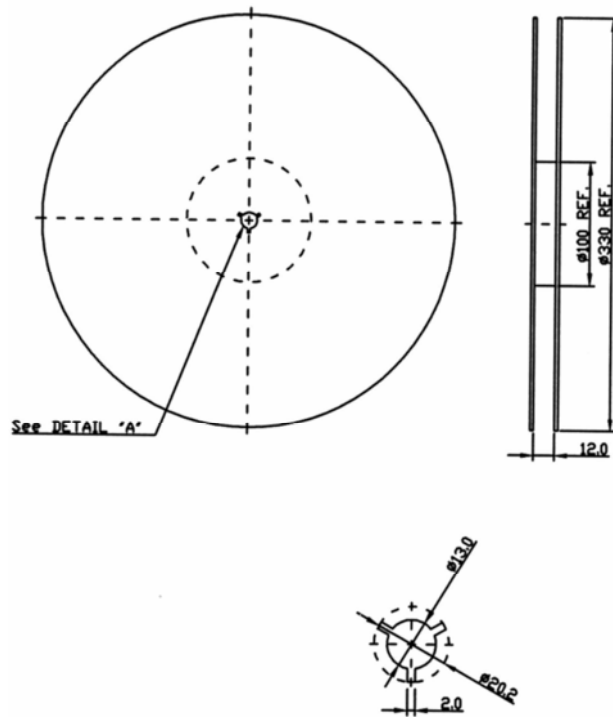
Year	2011	2012
	2013 2015	2014 2016
Product Code	A	a

F.PCB FOOTPRINT:

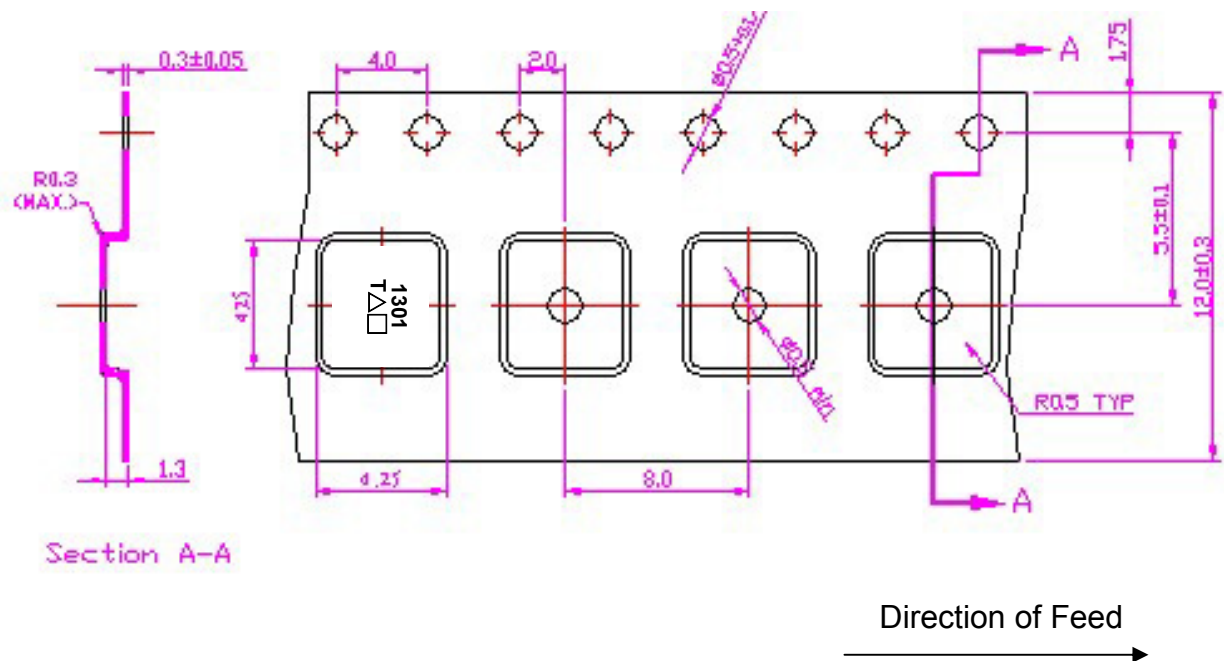


G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



H. REFLOW PROFILE

