



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: ttsales@mail.taisaw.com Web: www.taisaw.com

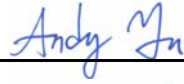
Product Specifications Approval Sheet

Product Name: SAW Filter 868.6MHz 1.2MHz BW SMD 3.8×3.8mm

TST Parts No.:TA0538A

Customer Parts No.:_____

Company:_____
Division:_____
Approved by :_____
Date:_____

Checked by:_____ Andy Yu 

Approval by:_____ Bob Chau 

Date:_____ 2014/4/21

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 868.6 MHz 1.2MHz BW

MODEL NO.: TA0538A

REV. NO.:3.0

A. MAXIMUM RATING:

1. Input Power Level: 10 dB_m

2. DC voltage: 5 V

3. Operating Temperature: -40°C to 85°C

4. Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

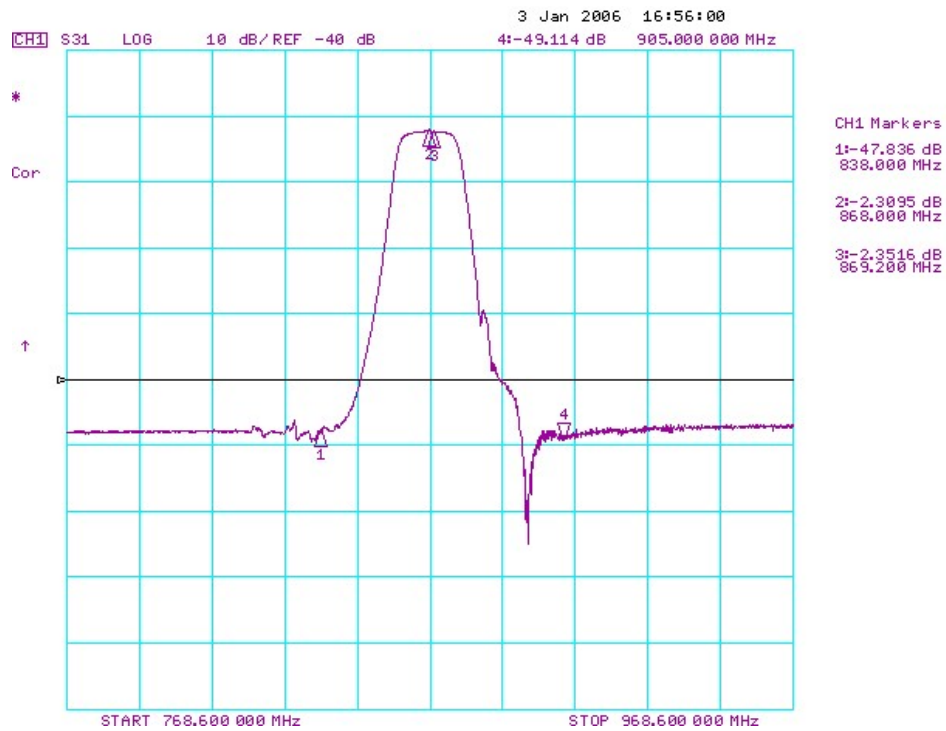
Electrostatic Sensitive Device (ESD)

B. CHARACTERISTICS:

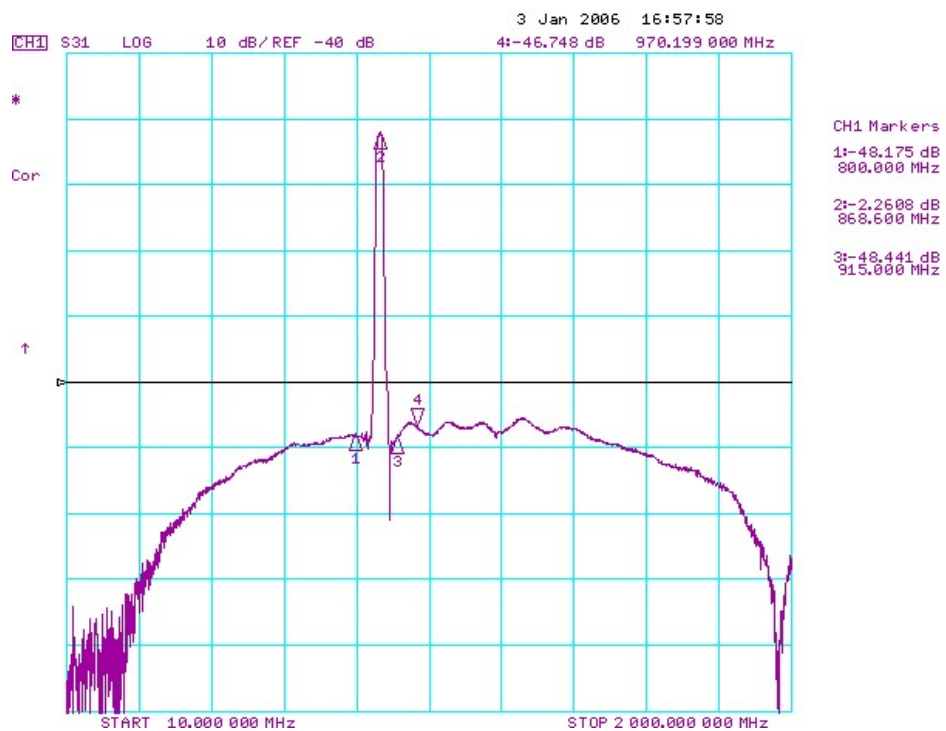
Item				Min.	Typ.	Max.
Center frequency	Fc	MHz		-	868.6	-
Insertion loss	868 ~ 869.2 MHz	IL	dB	-	2.4	4.0
Amplitude ripple	868 ~ 869.2 MHz		dB	-	0.1	1.4
Attenuation (Reference level from 0dB)						
10 ~ 800		MHz	dB	40	48	-
800 ~ 838		MHz	dB	35	46	-
905 ~ 915		MHz	dB	35	48	-
915 ~ 970		MHz	dB	38	46	-
Source impedance	Zs		Ω	-	50	-
Load impedance	ZL		Ω	-	50	-

Note1. No matching network required for operation at 50Ω

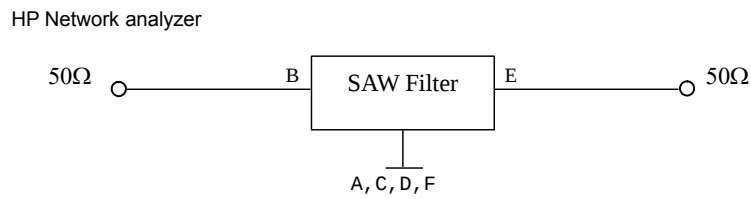
C. TRANSFER FUNCTION:



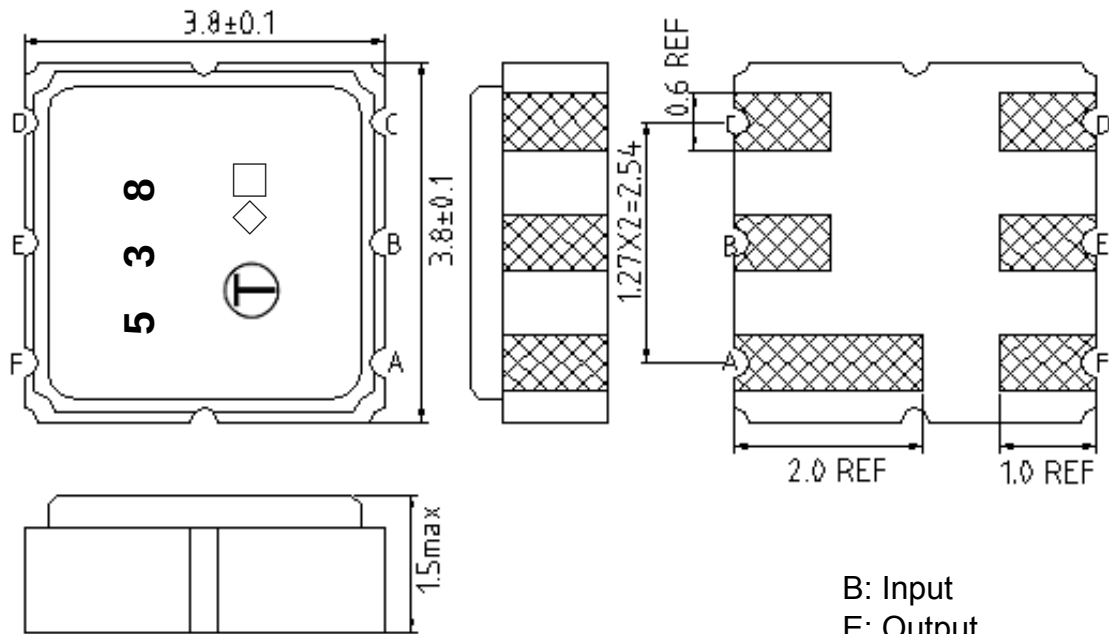
Wideband



D. MEASUREMENT CIRCUIT:



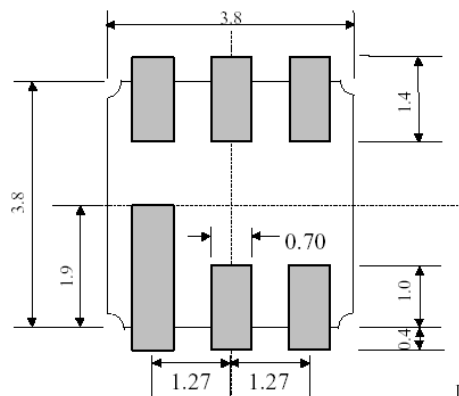
E.OUTLINE DRAWING:



B: Input
E: Output
A,C,D,F: Ground
Unit : mm
◇: Year Code
□ : Date code

	Odd Year	Even Year
Year Code	A	a

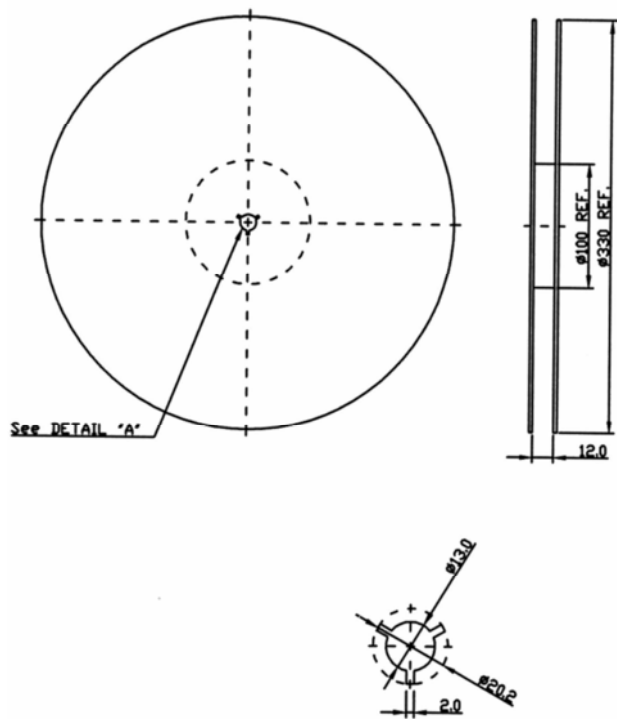
F. PCB FOOTPRINT:



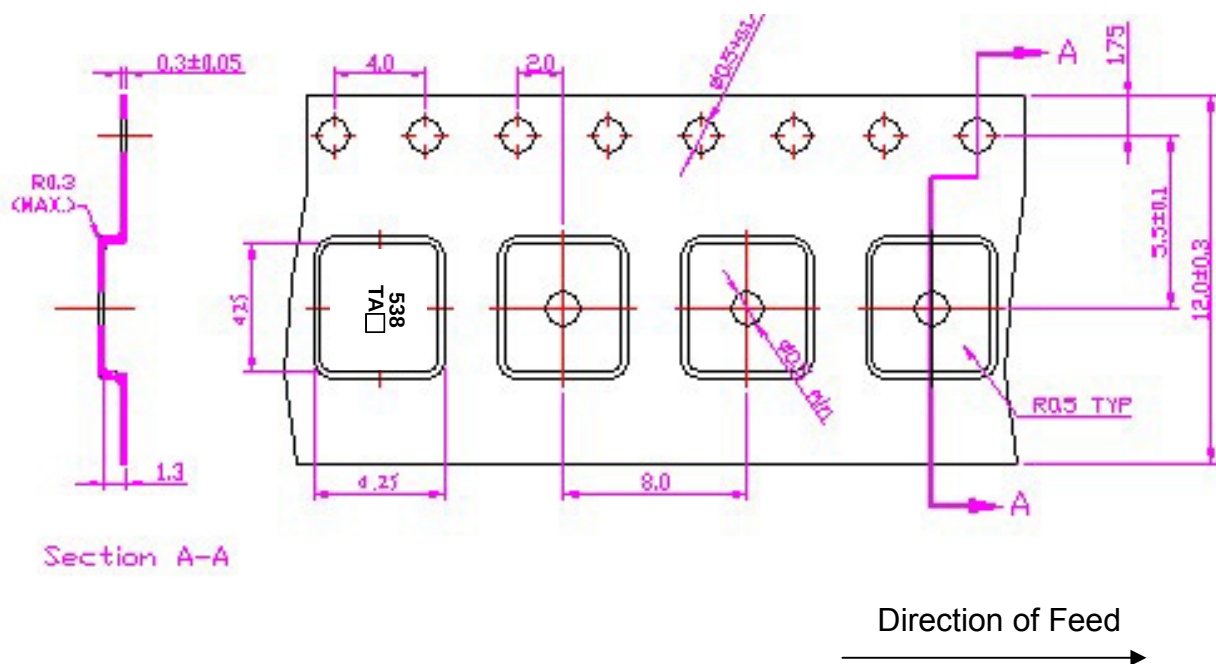
Dimensions in mm

G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

