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 2345 MHz SMD 3.0X3.0 mm (BW=90MHz)

TST Part No.: TA0581A

Customer Part No.:_____

Customer signature required

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Bob Chau _____

Approved by:_____ Francis Chen _____

Date:_____ 6, 22, 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 2345MHz

MODEL NO.:TA0581A REV. NO.:2

A. MAXIMUM RATING:

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

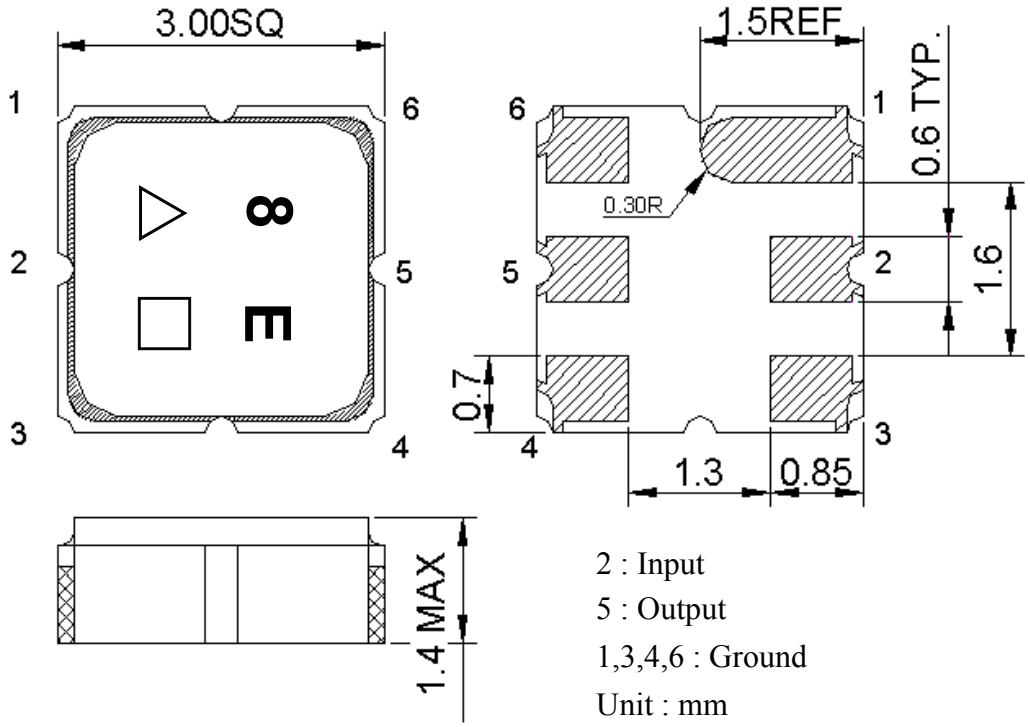
RoHS Compliant
Lead free
Lead-free soldering

Electrostatic **S**ensitive **D**evice (**ESD**)

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency **Fc**	MHz	-	2345	-	-
Insertion Loss (2300 ~ 2390 MHz) **IL**	dB	-	2.8	4	-
Amplitude Ripple (2300 ~ 2390 MHz)	dB	-	1.5	2.5	-
VSWR (2300 ~ 2390 MHz)		-	1.8	2.5	-
Group delay ripple (2300 ~ 2390 MHz)	ns	-	8	50	-
Relative Attenuation (relative to 0 dB)					
D.C. ~ 2200 MHz	dB	23	30	-	-
2500 ~ 4000 MHz	dB	25	34	-	-

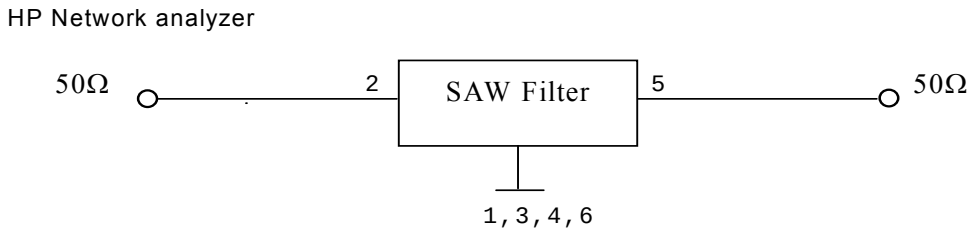
C.OUTLINE DRAWING:



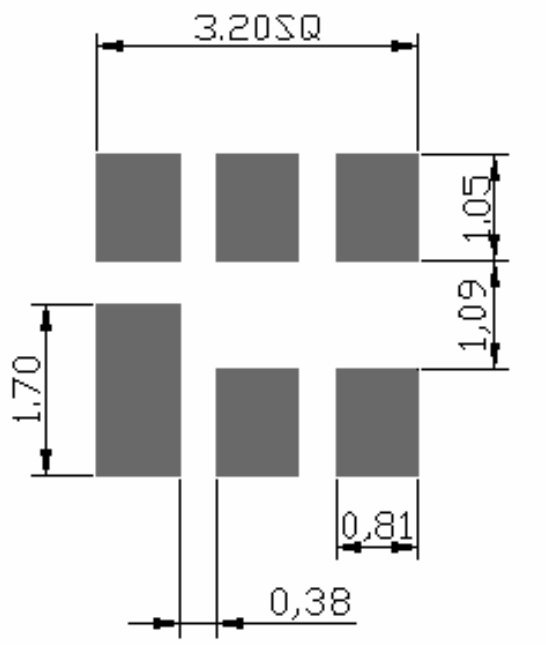
2 : Input
5 : Output
1,3,4,6 : Ground
Unit : mm

△ : Year Code (2009->9, 2010->0,…, 2018->8)
□ : Date Code (W01->A,W02->B,…W27->a,…,W52->z)

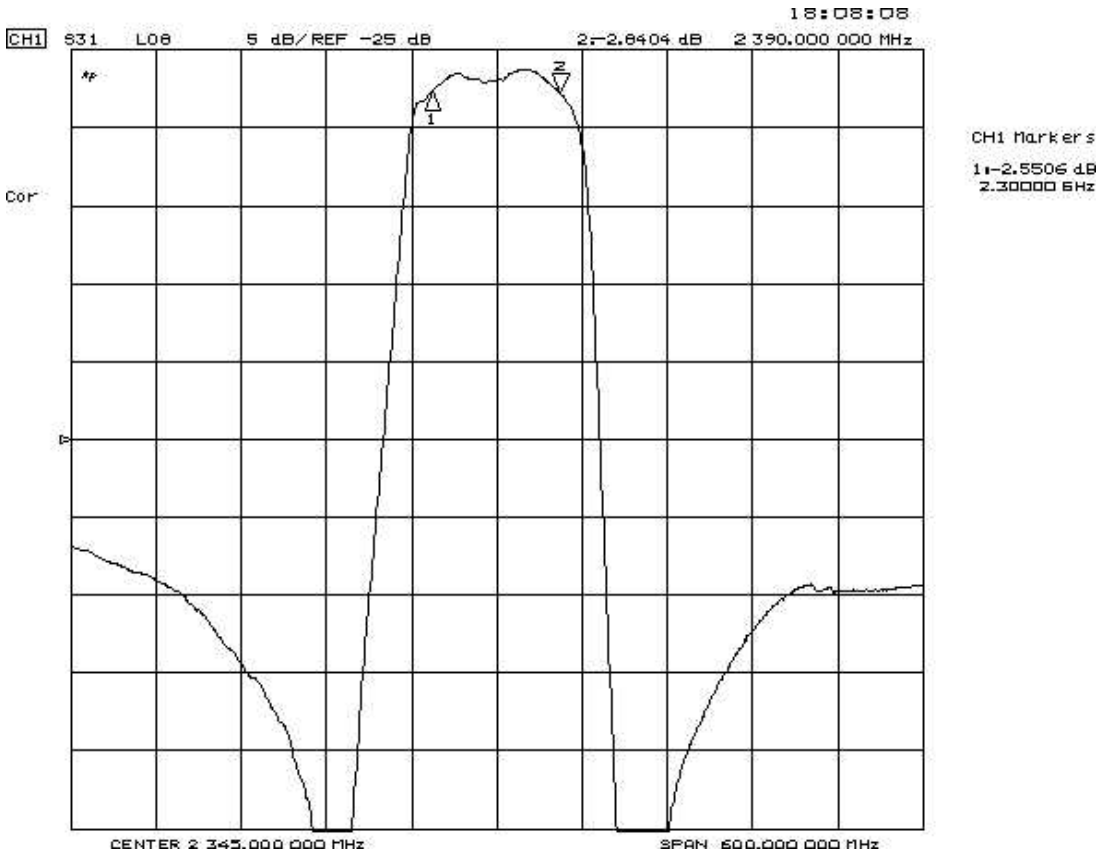
D. MEASUREMENT CIRCUIT:

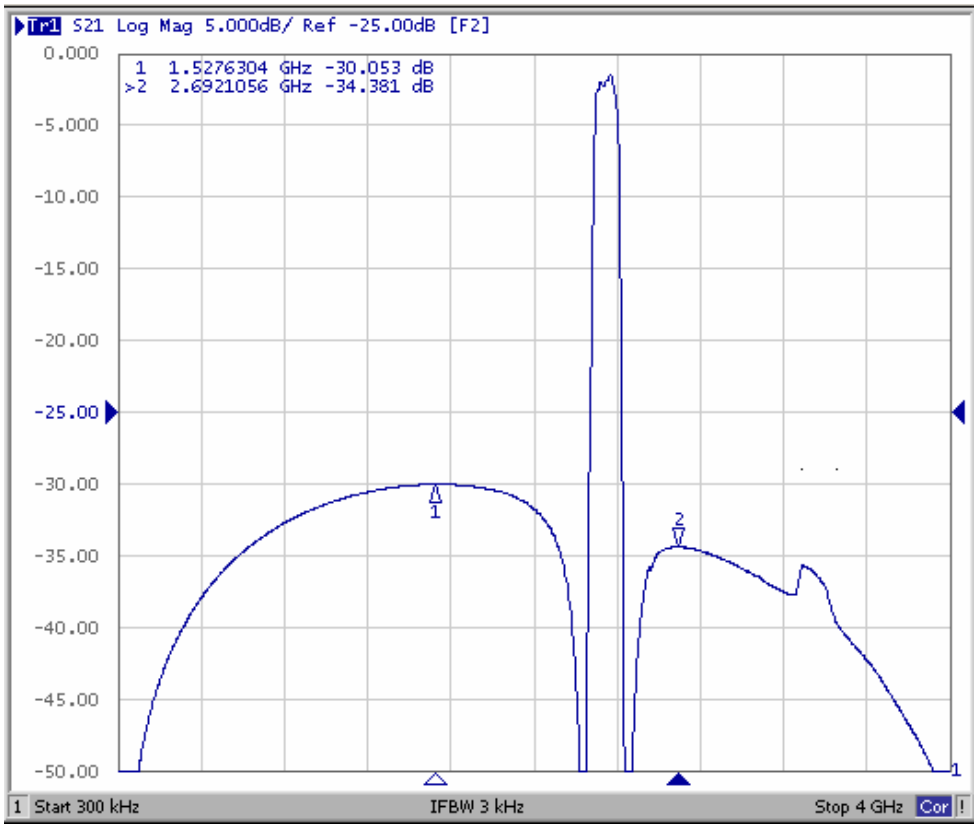


E. PCB Footprint:



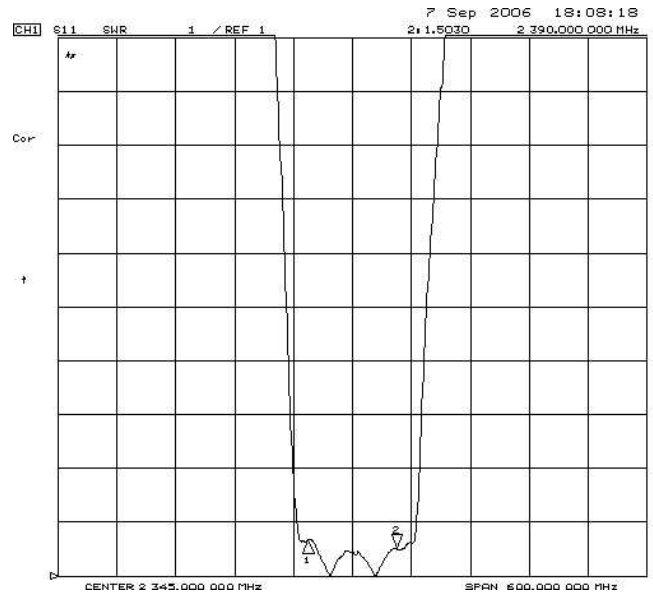
F. Frequency Characteristics :

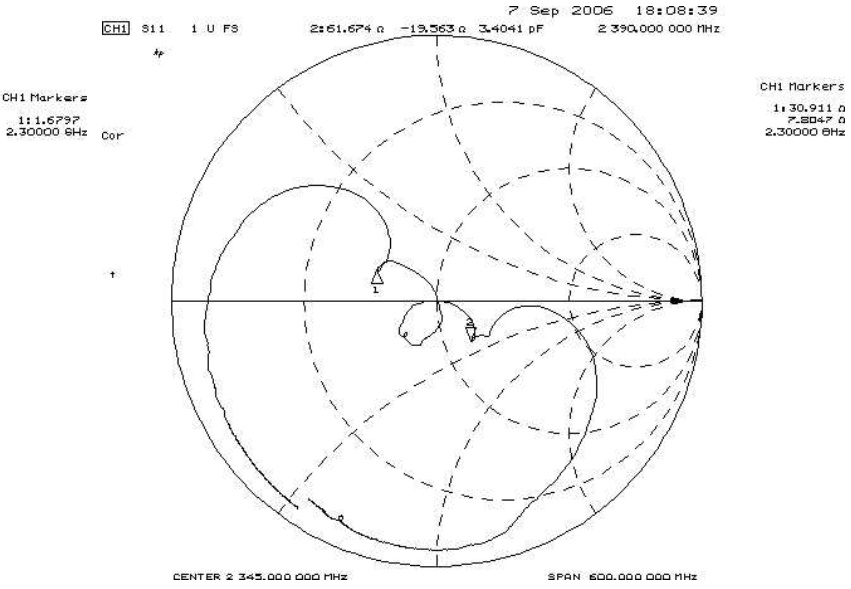




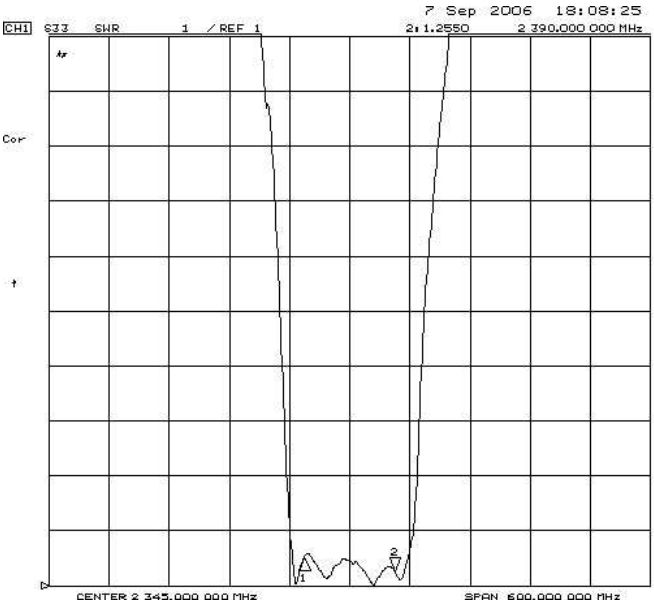
Reflections Functions :

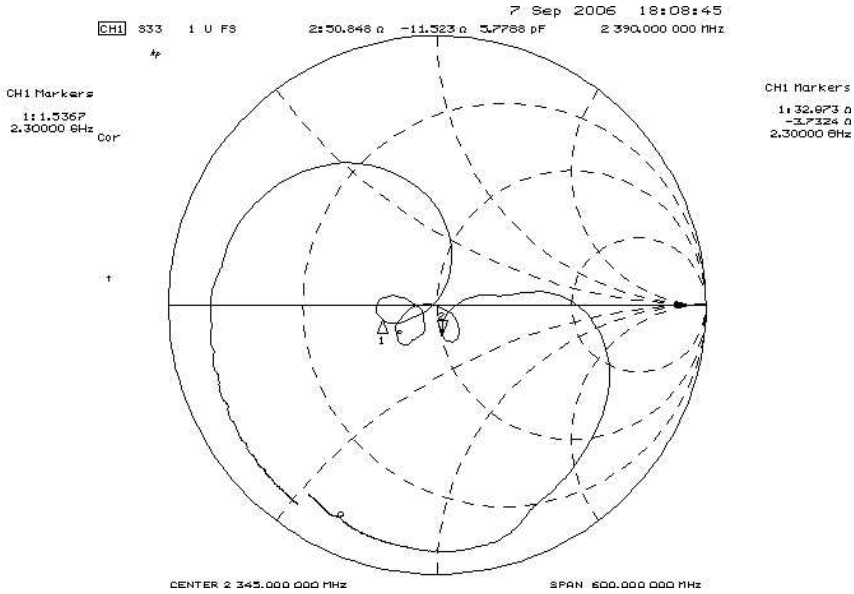
S11 VSWR



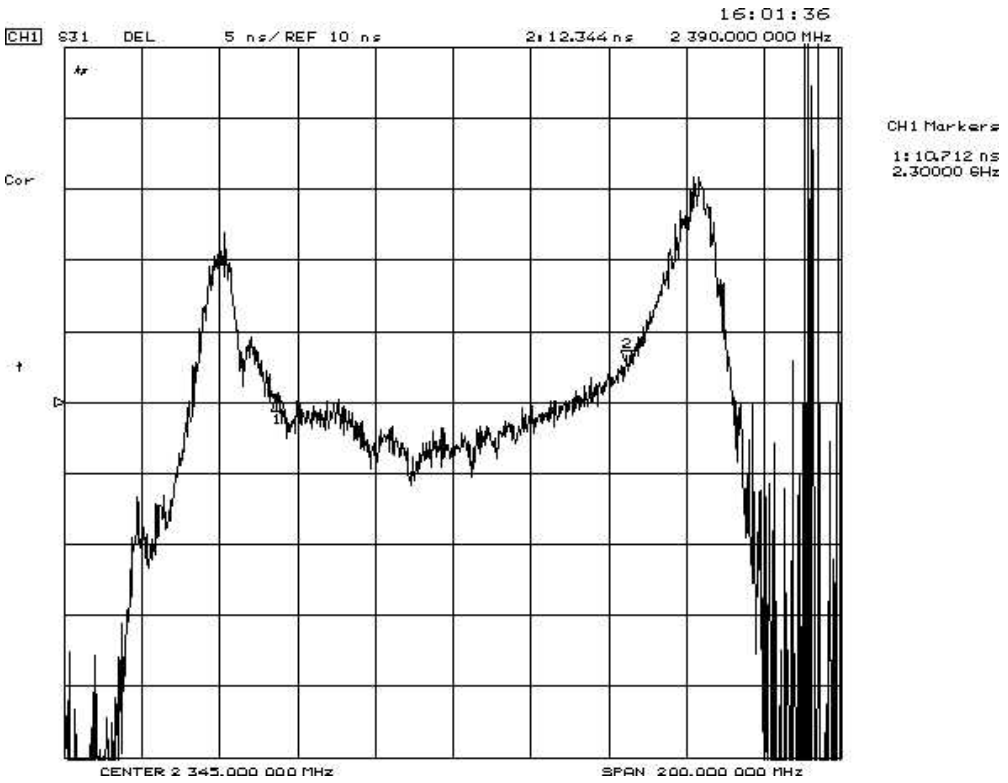


S22 VSWR





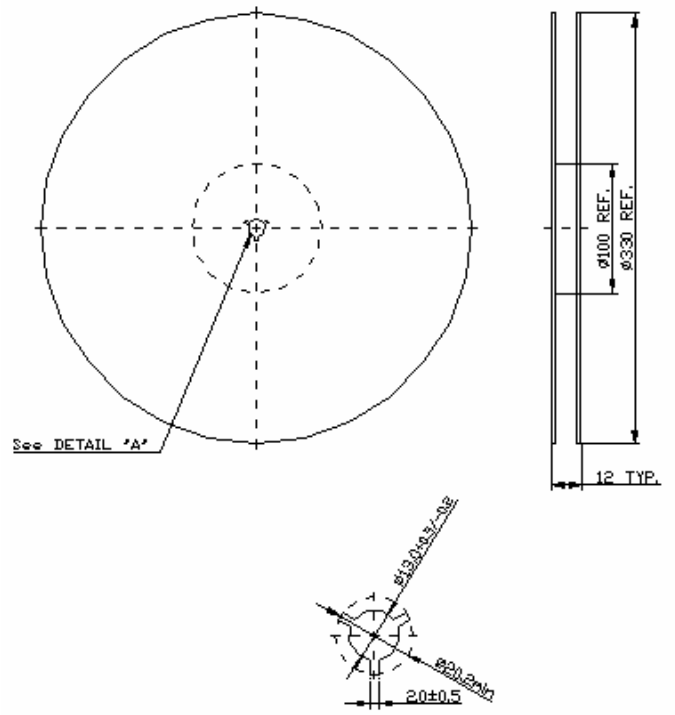
Group Delay :


16:01:36
CH1 S31 DEL 5 ns/ REF 10 ns 2: 12.344 ns 2 390.000 000 MHz
Cor
CH1 Markers
1: 10.712 ns
2.30000 GHz
CENTER 2 345.000 000 MHz
SPAN 200.000 000 MHz

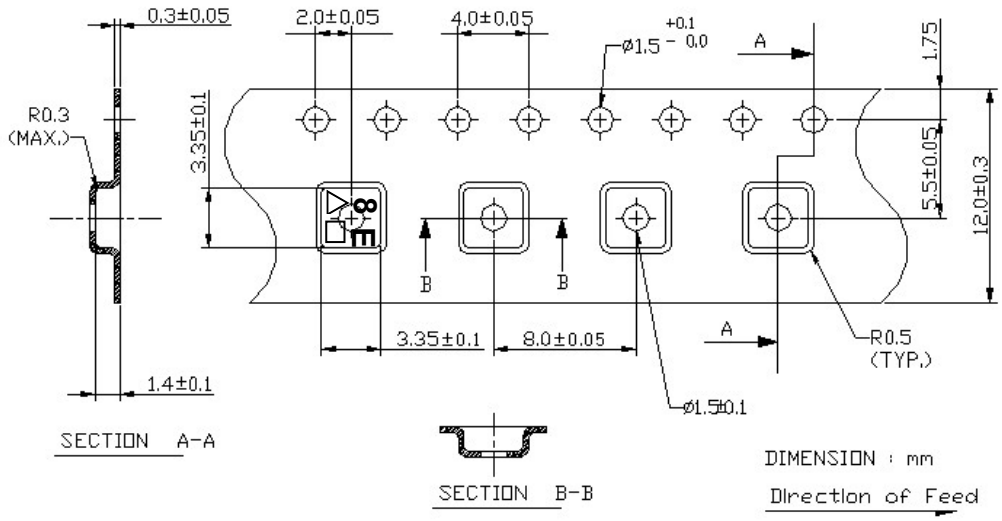
G. PACKING:

1. REEL DIMENSION

(Reel Count : 7”=1000 ; 13”=3000)



2.TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

1. Preheating shall be fixed at 150~180℃ for 60~90 seconds.
2. Ascending time to preheating temperature 150℃ shall be 30 seconds min.
3. Heating shall be fixed at 220℃ for 50~80 seconds and at 250±10℃ peak (max. 10sec).
4. Time : 2 times.

