



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 Specifications Approval Sheet

Product Description: SAW Filter 2345 MHz SMD 3.0X3.0 mm

TST Part No.: TA0515B

Customer Part No.: _____

Customer signature required

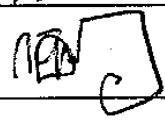
Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Bob Chau 

Approved by: _____ Francis Chen 

Date: _____ 3, 25, 2010

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 2345 MHz

MODEL NO.: TA0515B

REV. NO.:1

A. MAXIMUM RATING:

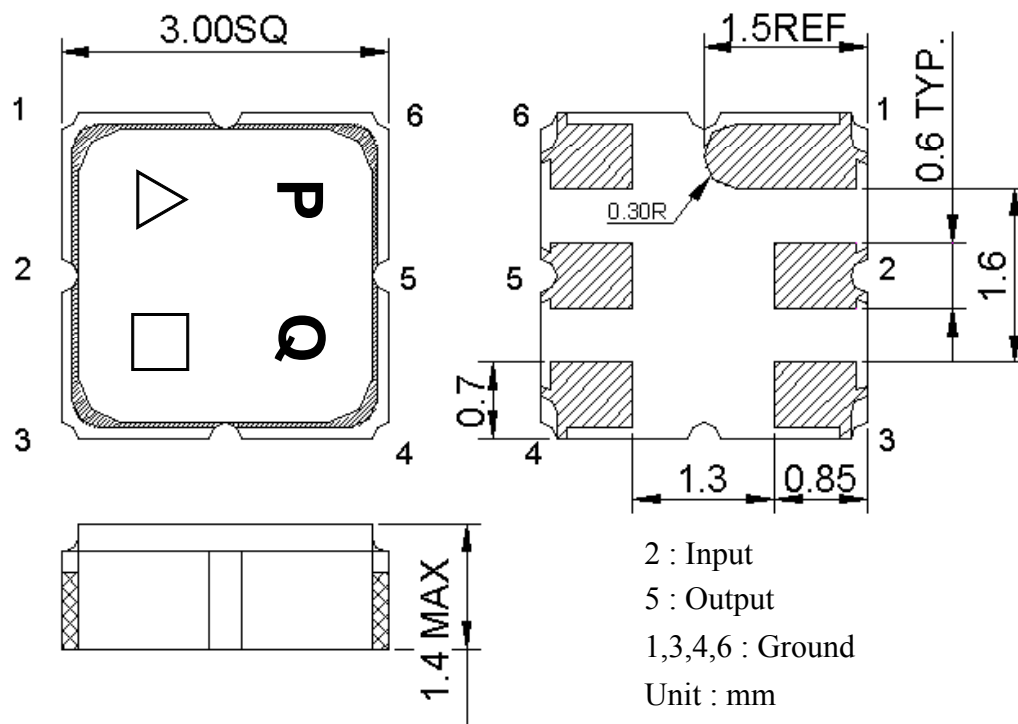
1. Input Power Level: 10 dB_m
2. DC voltage: 3 V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -50°C to +95°C

RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

Item		Min.	Typ.	Max.
Center frequency	F_c (MHz)	-	2345	-
Insertion loss (2331.5~2358.5 MHz)	IL (dB)	-	2.3	4.0
Amplitude ripple (2331.5~2358.5 MHz)	(dB)	-	0.9	2.0
Group delay ripple (2331.5~2358.5 MHz)	(ns)	-	5	50
Attenuation (Reference level from 0 dB)				
D.C. ~ 2187	MHz (dB)	40	42.6	-
2239	MHz (dB)	27	43	-
2412	MHz (dB)	12	40	-
2438	MHz (dB)	30	59	-
2512	MHz (dB)	27	59	-
2538	MHz (dB)	32	62	-
2700 ~ 3500	MHz (dB)	30	39	-
VSWR (2331.5~2358.5 MHz)		-	1.4	2.5
Source impedance	Z_s (Ω)	-	50	-
Load impedance	Z_L (Ω)	-	50	-

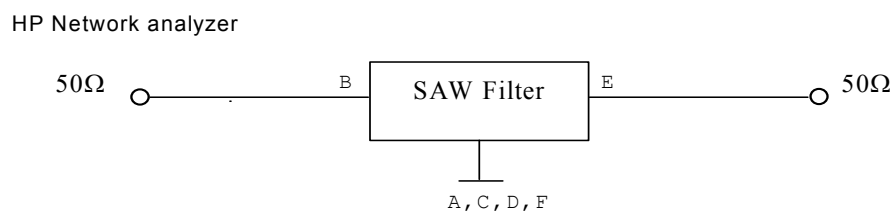
C. OUTLINE DRAWING:



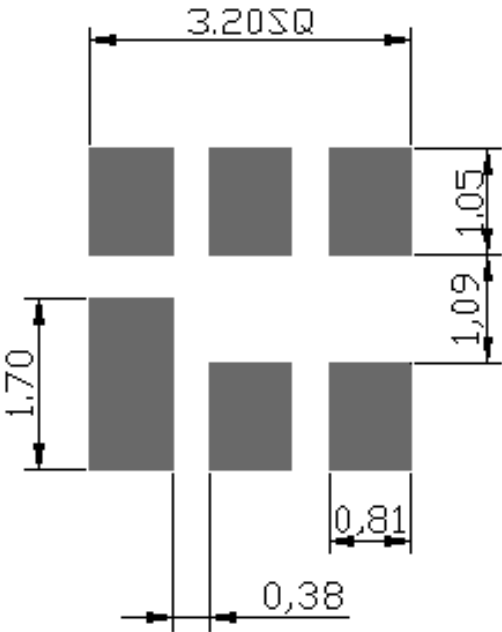
△ : Year Code (2006->6, ..., 2009->9)

□ : Date Code (W01->A, W02->B, ..., W27->a, ..., W52->z)

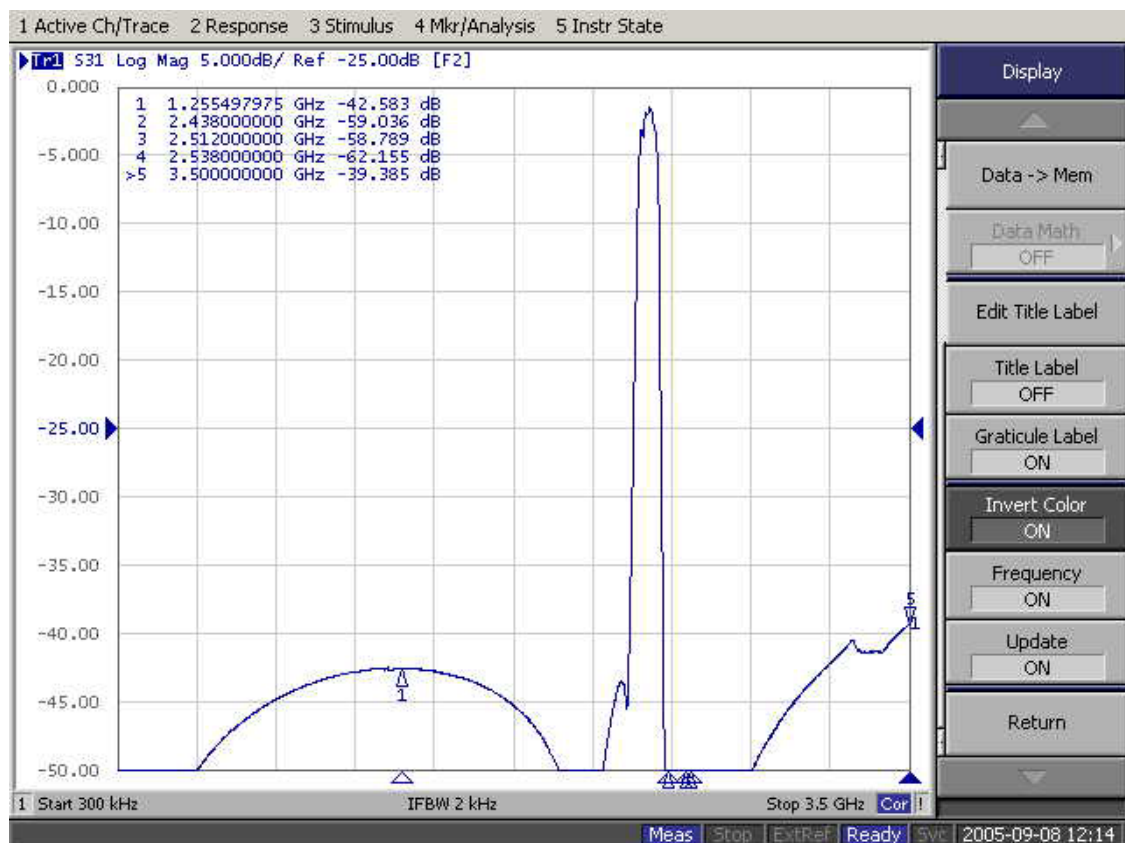
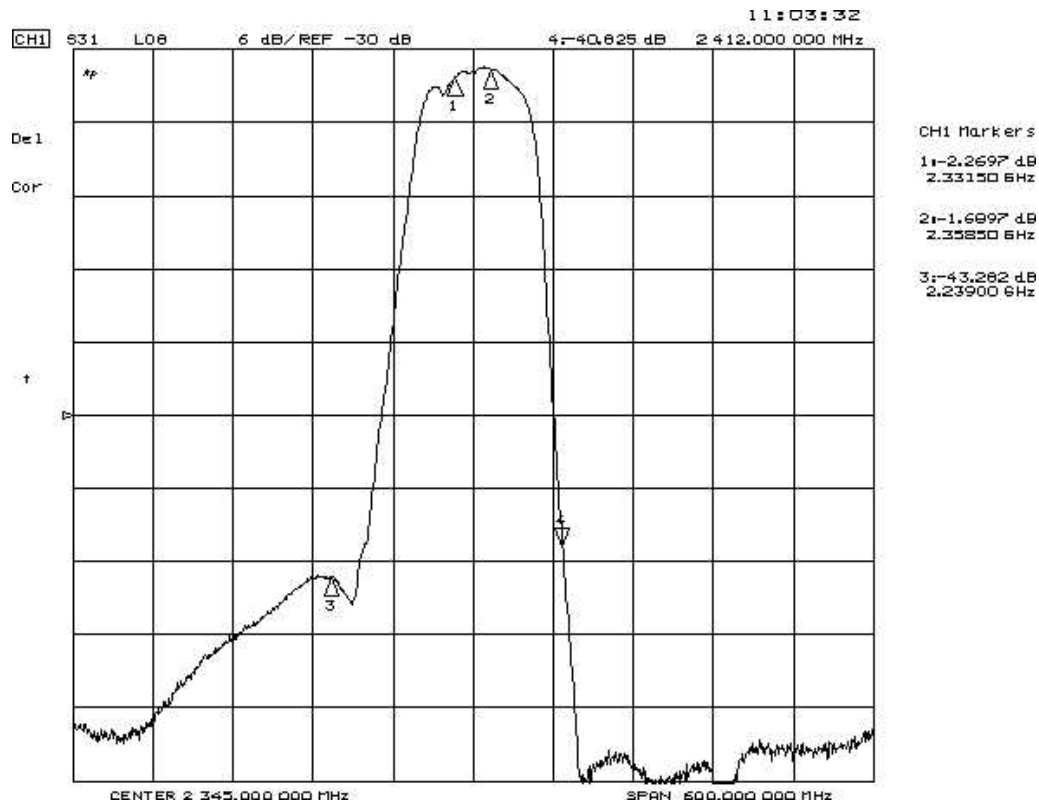
D. MEASUREMENT CIRCUIT:



E. PCB Footprint:

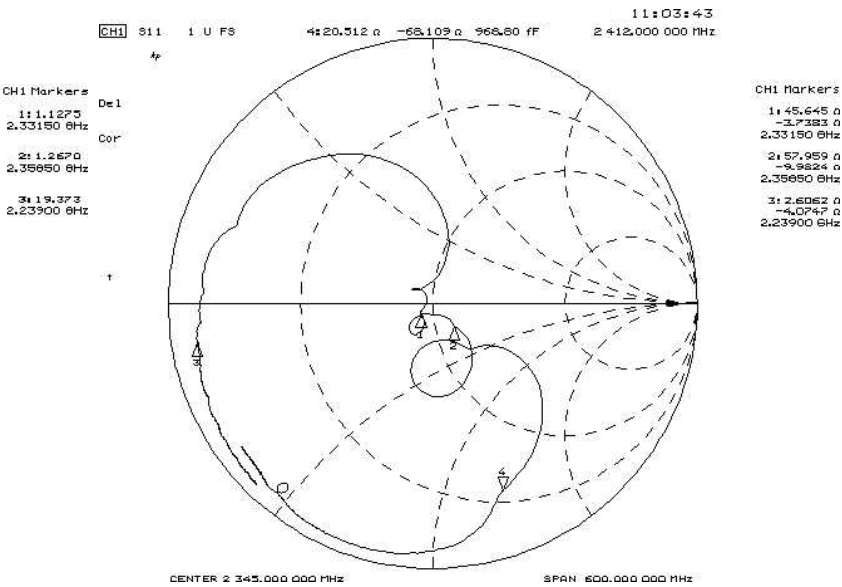
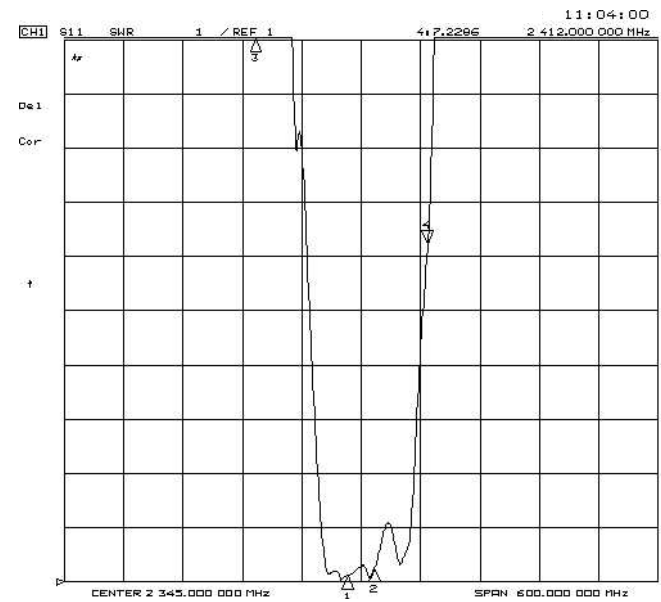


F. Frequency Characteristics : Transfer function

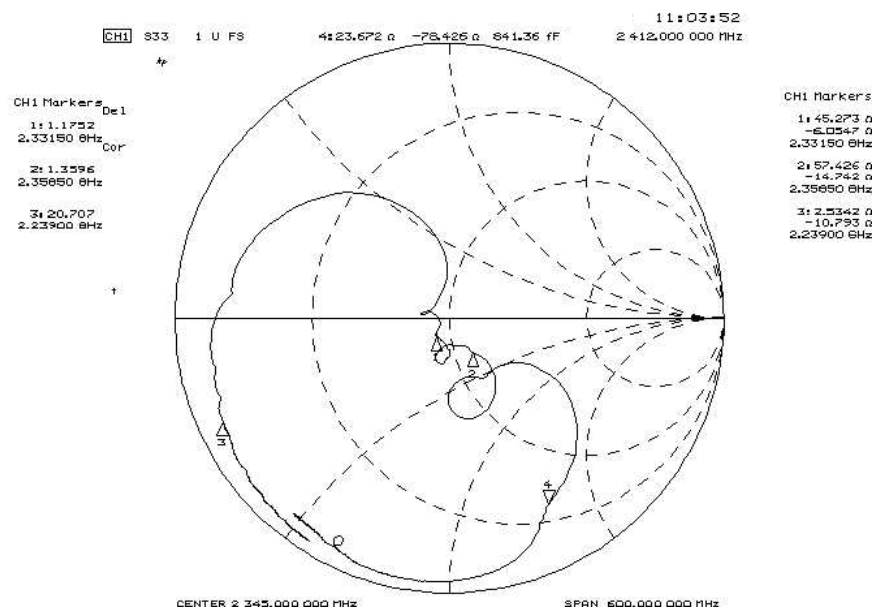
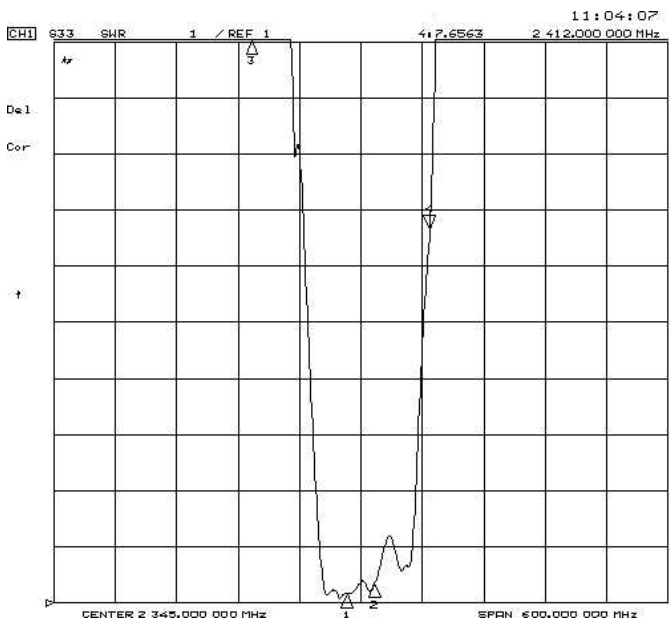


Reflections Functions :

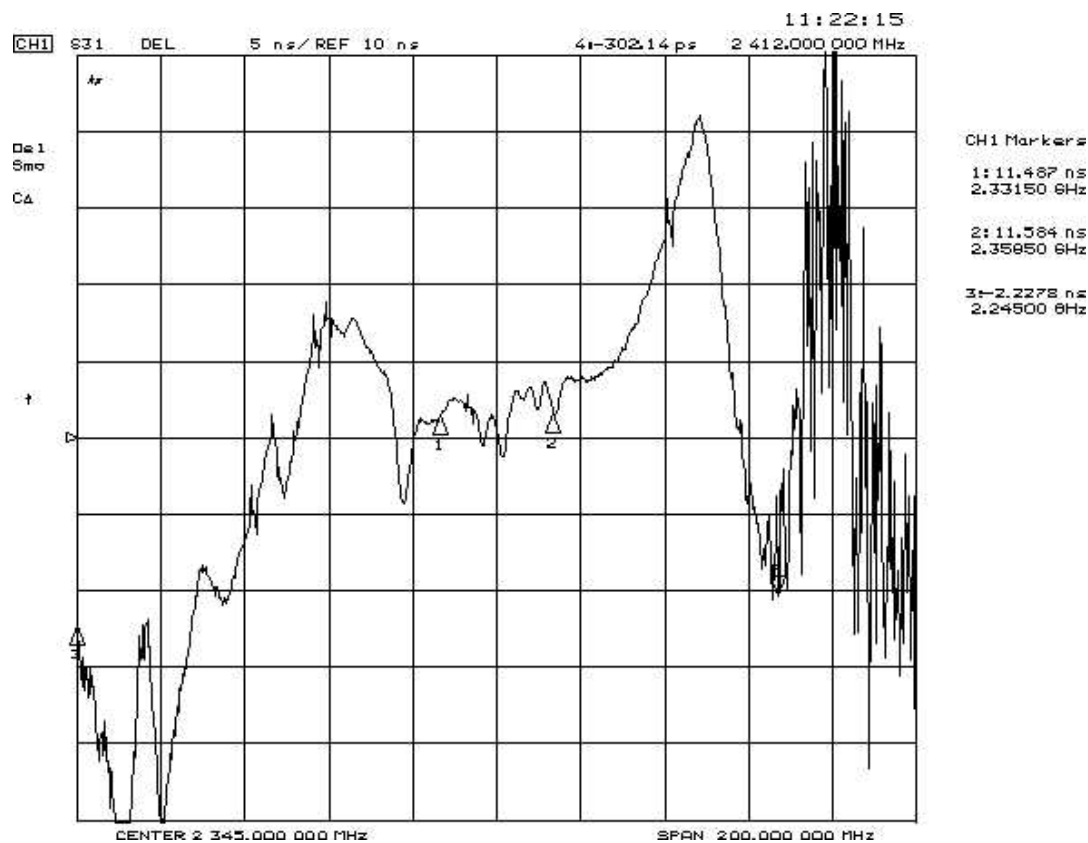
S11 VSWR



S22 VSWR

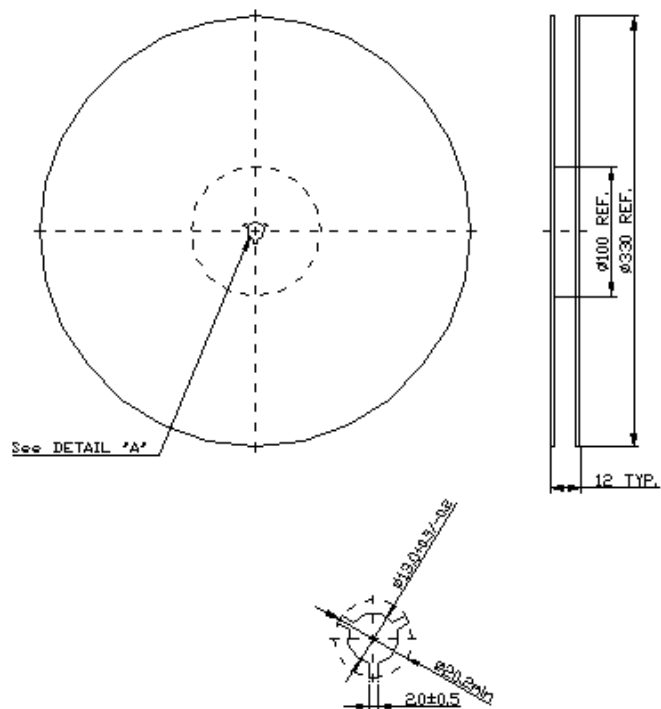


Group Delay :

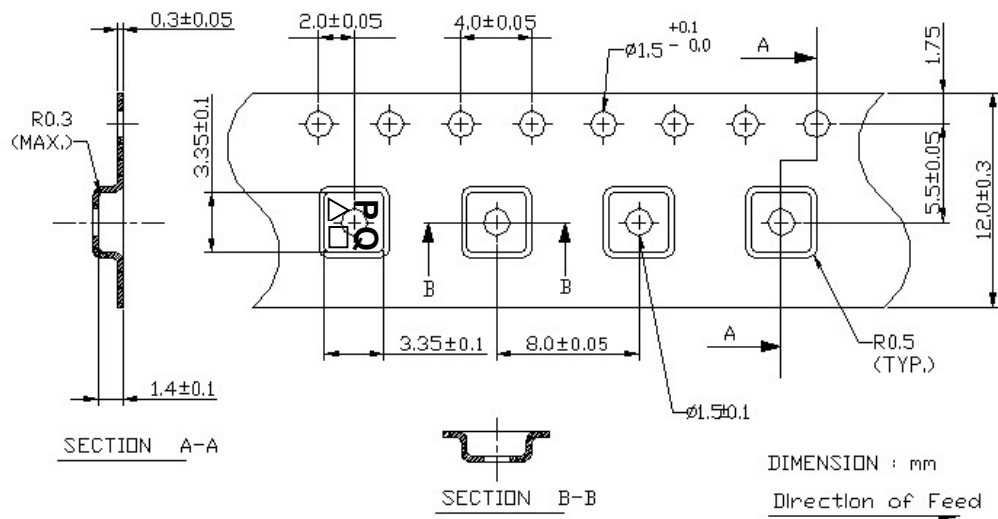


G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

