



TAI-SAW TECHNOLOGY CO., LTD.

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Product Specifications Approval Sheet

Product Description: SAW Filter 2431.5 MHz SMD 3.0X3.0 mm (BW=59MHz)

TST Part No.: TA1038A

Customer Part No.: _____

Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Bob Chau 

Approved by: _____ Francis Chen 

Date: _____ 3, 21, 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 2431.5 MHz

MODEL NO.:TA1038A

REV. NO.:1

A. MAXIMUM RATING:

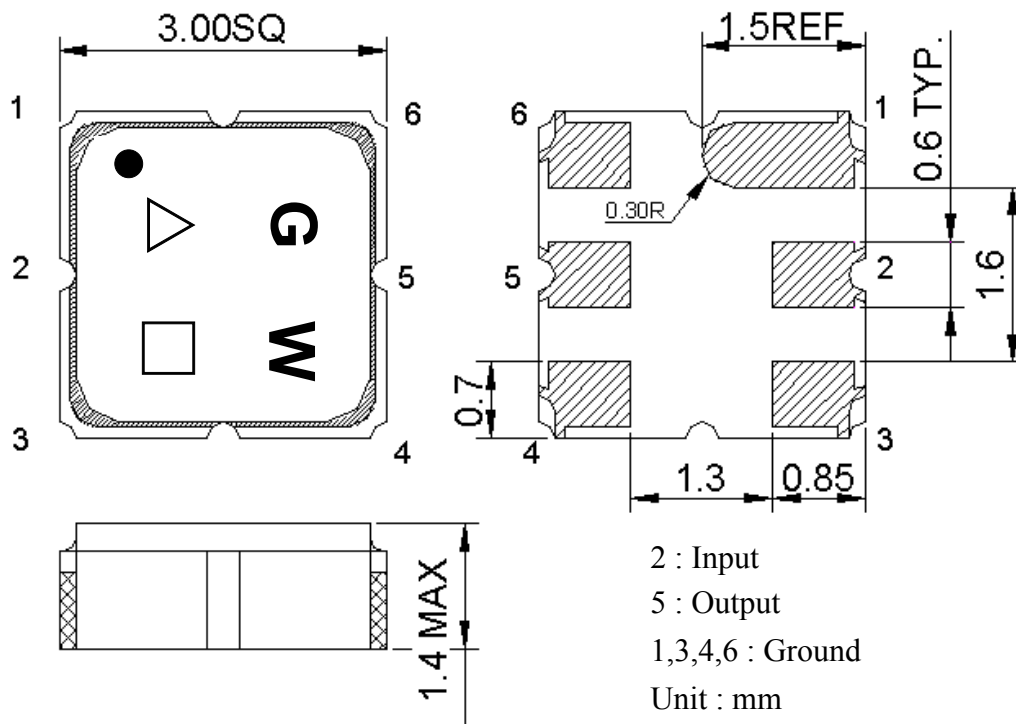
1. Input Power Level: 16 dBm
2. DC Voltage : 3V
3. Operating Temperature: -10°C to +70°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency F_c	MHz	-	2431.5	-	-
Insertion loss 1 (2402~2422 MHz) IL	dB	-	3.6	4	-
Insertion loss 2 (2422~2451 MHz) IL	dB	-	2.4	3.8	-
Insertion loss 3 (2451~2461 MHz) IL	dB	-	3.4	5	-
Amplitude Ripple (2402~2451 MHz)	dB	-	1.7	2.3	-
Amplitude Ripple (2402~2461 MHz)	dB	-	1.7	3	-
Return Loss (2402~2461 MHz)	dB	9.2	12	-	-
Attenuation (Reference level from 0 dB)					
800 ~ 1800 MHz	dB	35	40	-	-
1800 ~ 2170 MHz	dB	25	42	-	-
2496 ~ 2500 MHz	dB	26	39	-	-
2500 ~ 2515 MHz	dB	35	46	-	-
2515 ~ 2690 MHz	dB	45	55	-	-
Temperature Coefficient of Frequency	ppm/°C	-	-36	-	-

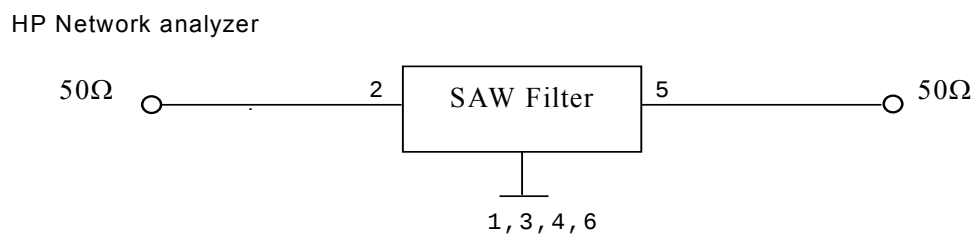
C.OUTLINE DRAWING:



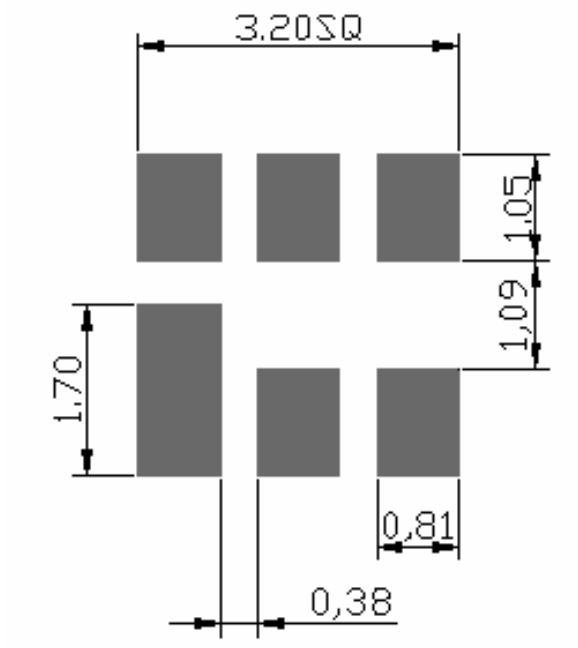
△ : Year Code (2009->9, 2010->0,..., 2018->8)

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

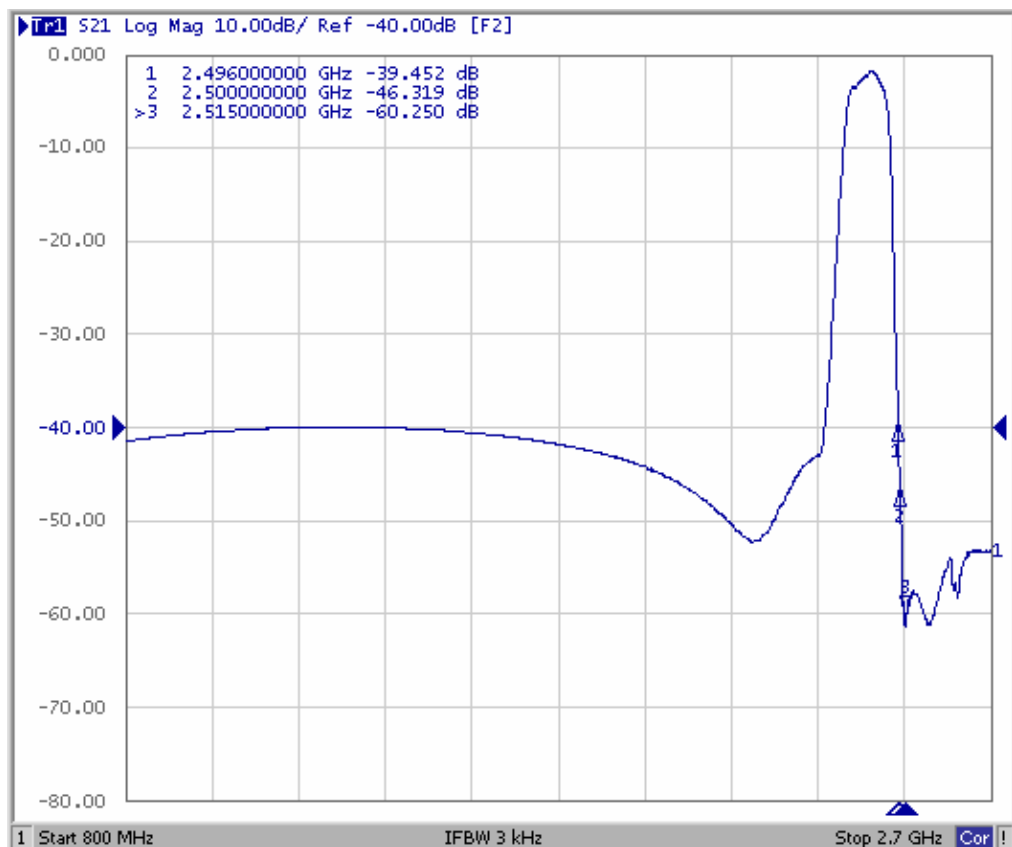
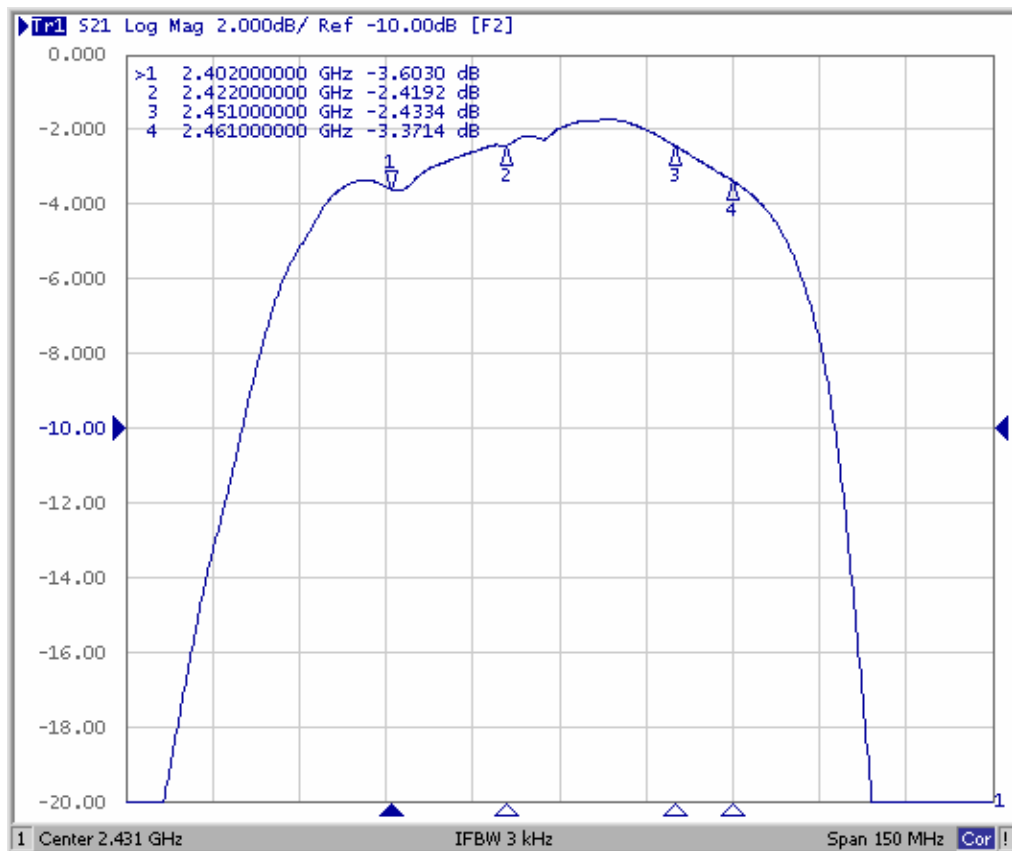
D. MEASUREMENT CIRCUIT:



E. PCB Footprint:

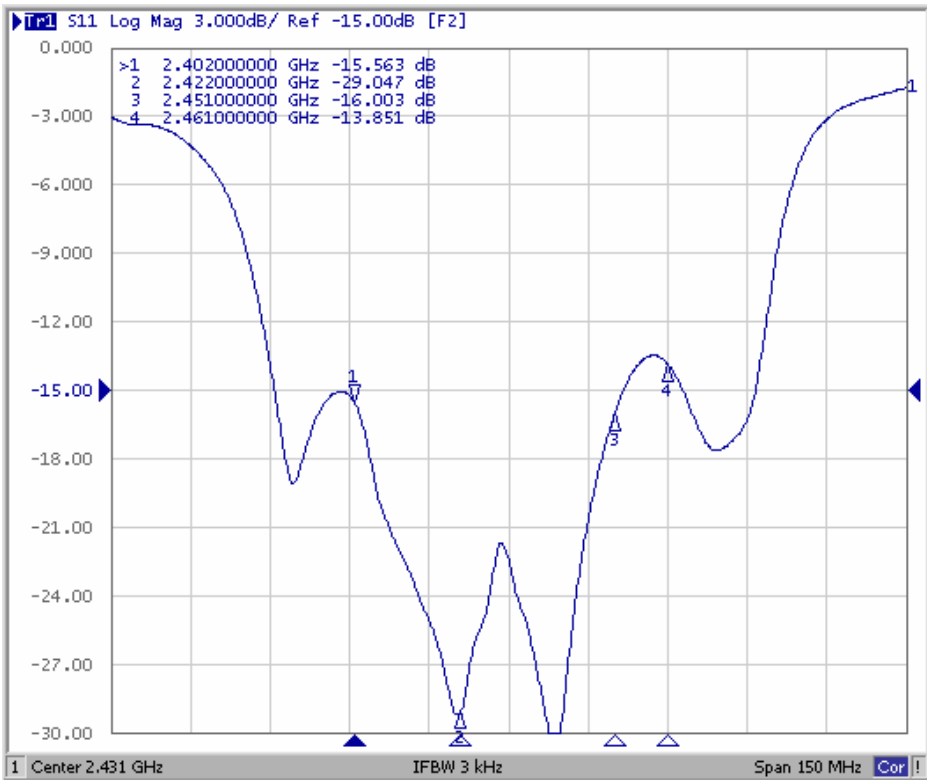


F. Frequency Characteristics :

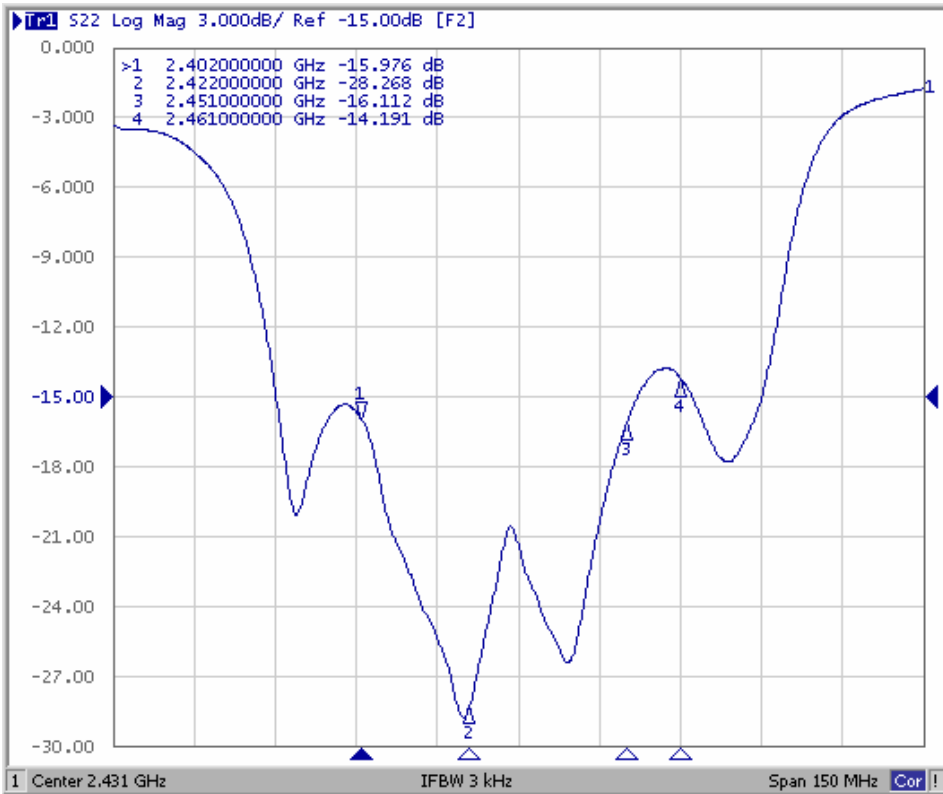


Reflection Functions :

S11



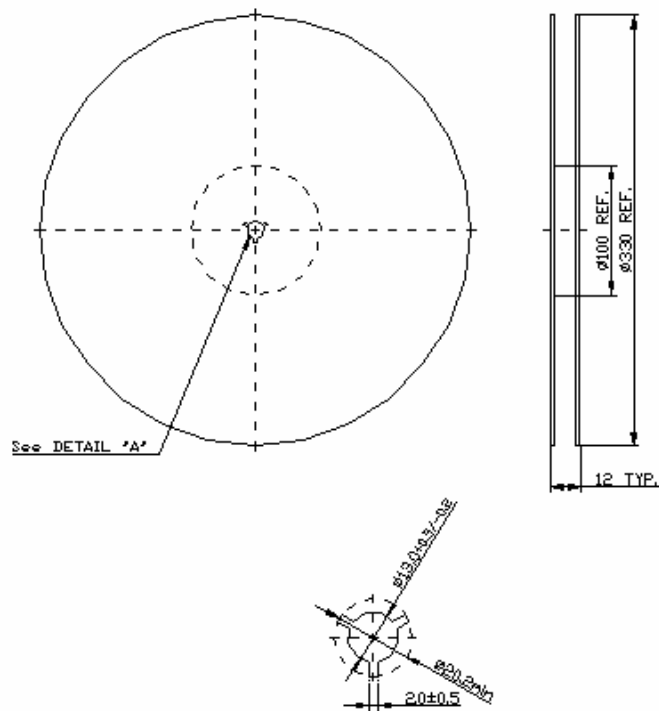
S22



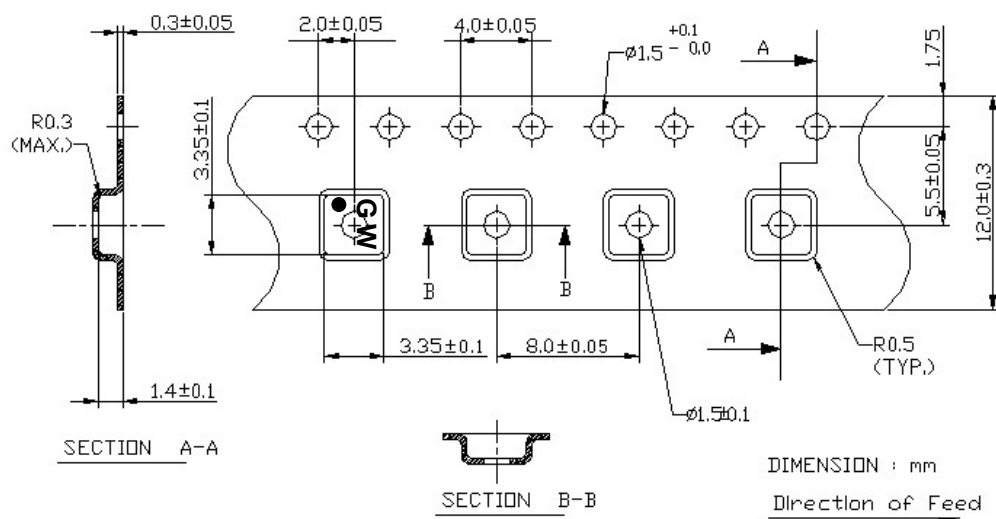
G. PACKING:

1. REEL DIMENSION

(Reel Count : 7''=1000 ; 13''=3000)



2.TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

