



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
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Product Specifications Approval Sheet

Product Description: SAW Filter 2549.5 MHz SMD 3.0X3.0 mm (BW=97MHz)

TST Part No.: TA1161A

Customer Part No.: _____

Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Bob Chau 

Approved by: _____ Francis Chen 

Date: _____ 12, 28, 2009

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 2549.5 MHz

MODEL NO.:TA1161A

REV. NO.:1

A. MAXIMUM RATING:

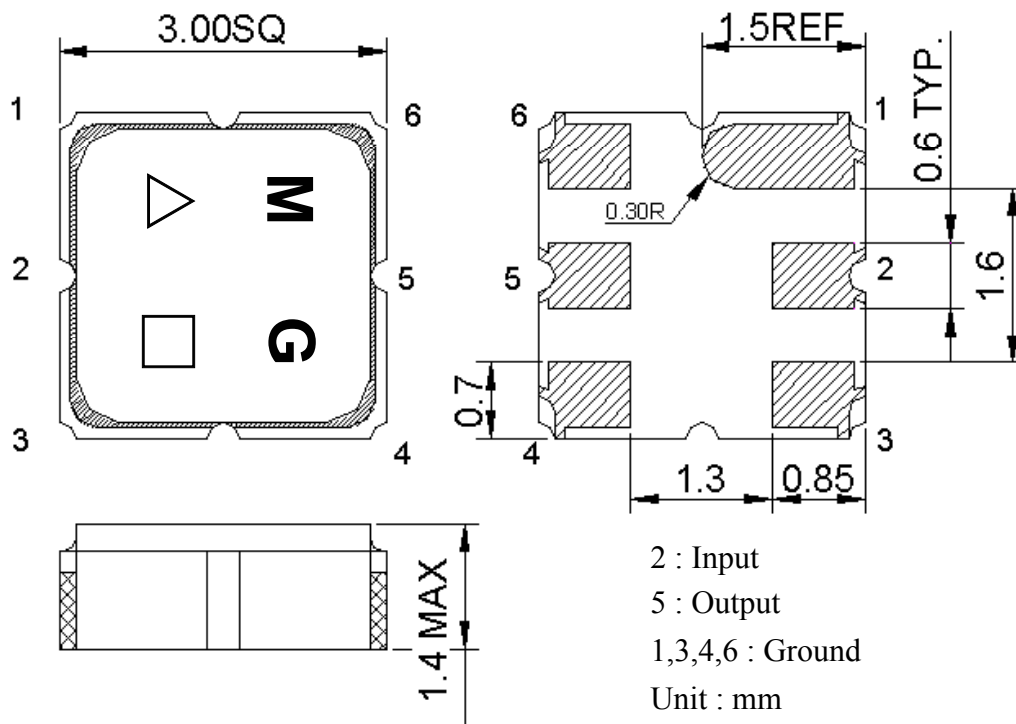
1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -20°C to +70°C
4. Storage Temperature: -30°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency Fc	MHz	-	2549.5	-	-
Insertion Loss (2501~2598 MHz) IL	dB	-	2.8	4	-
Amplitude Ripple (2501~2598 MHz)	dB	-	1.7	2.5	-
VSWR (2501~2598 MHz)		-	2	2.5	-
Attenuation (Reference level from 0 dB)					
DC ~ 2400 MHz	dB	25	28	-	-
2400 ~ 2445 MHz	dB	31	38	-	-
2445 ~ 2460 MHz	dB	22	29	-	-
2660 ~ 3800 MHz	dB	30	36	-	-
3800 ~ 5000 MHz	dB	15	20	-	-
Temperature Coefficient of Frequency	ppm/°C	-	-36	-	-

C.OUTLINE DRAWING:

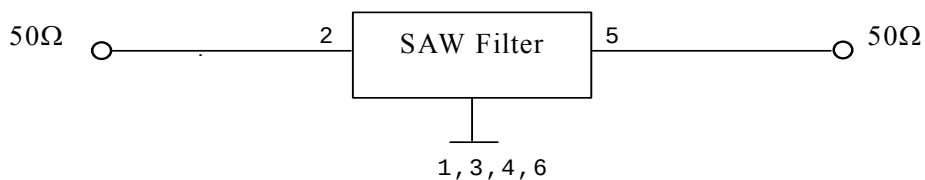


△ : Year Code (2006->6, ..., 2009->9)

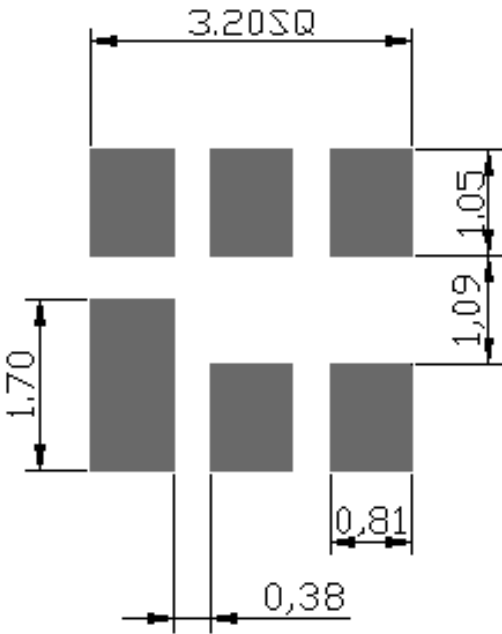
□ : Date Code (W01->A,W02->B,...W27->a,...,W52->z)

D. MEASUREMENT CIRCUIT:

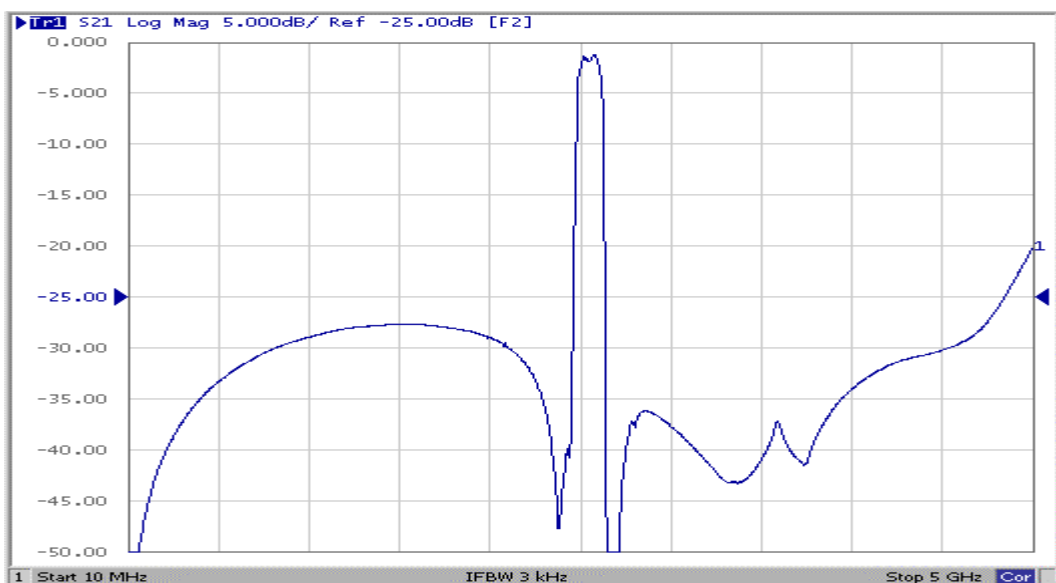
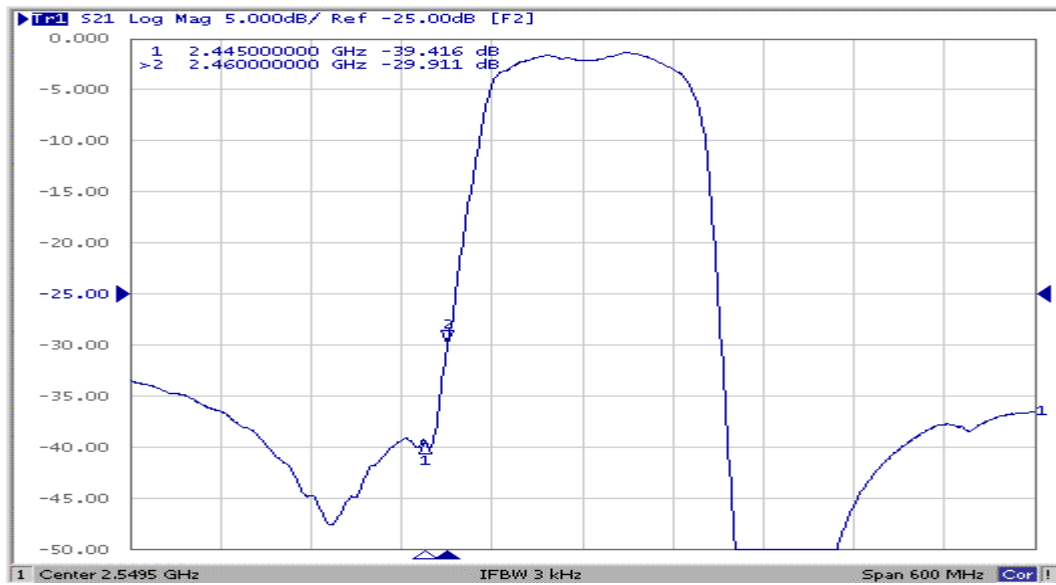
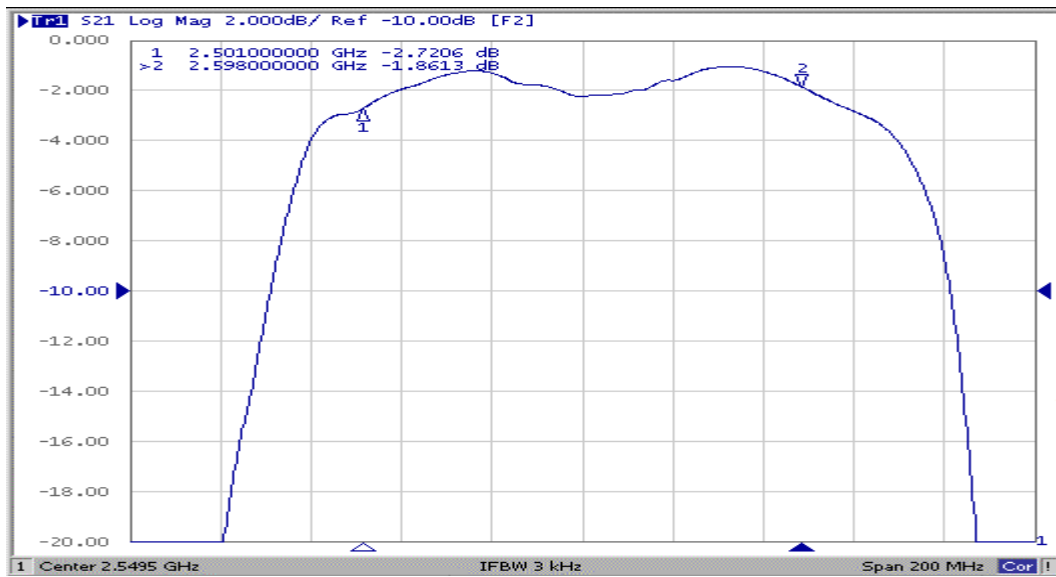
HP Network analyzer



E. PCB Footprint:

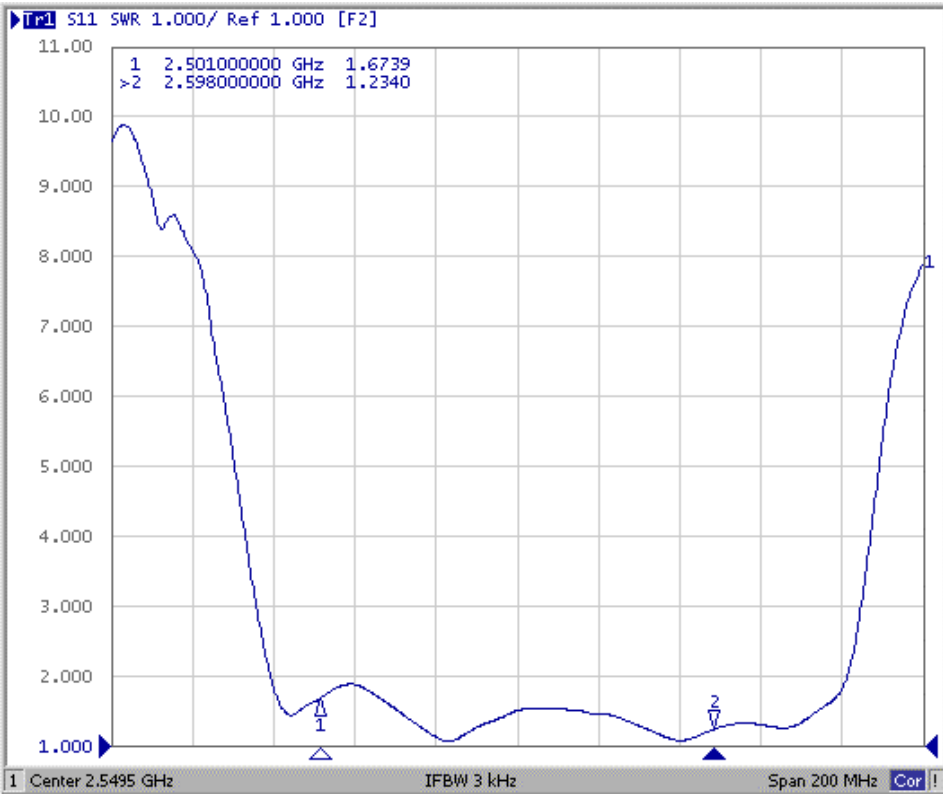


F. Frequency Characteristics :

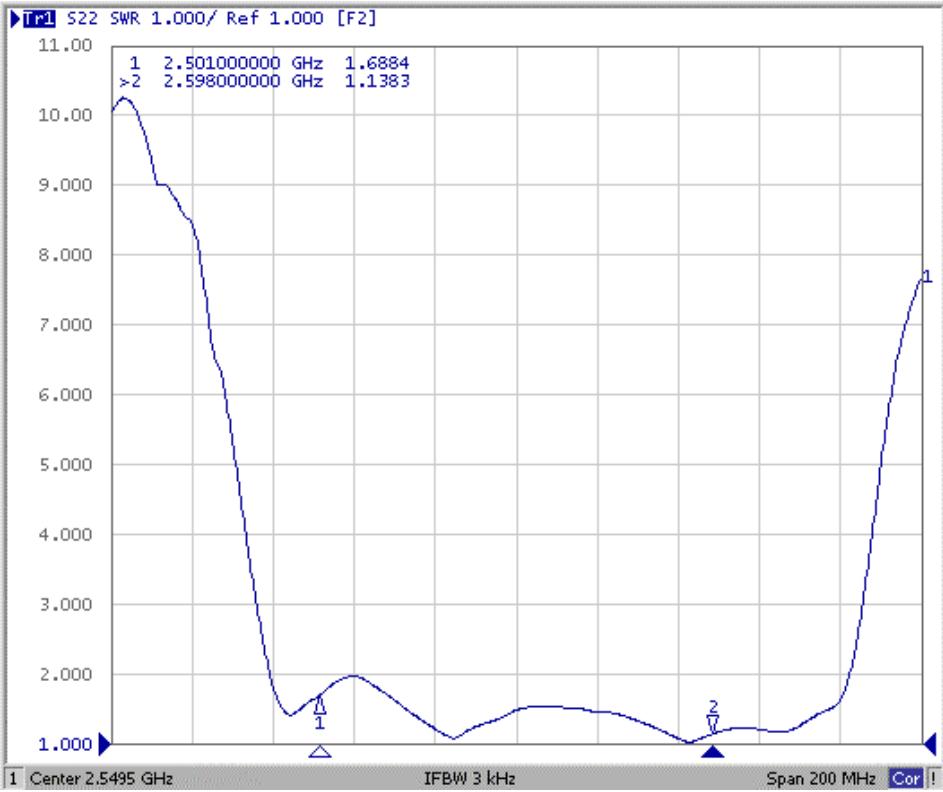


Reflection Functions :

S11



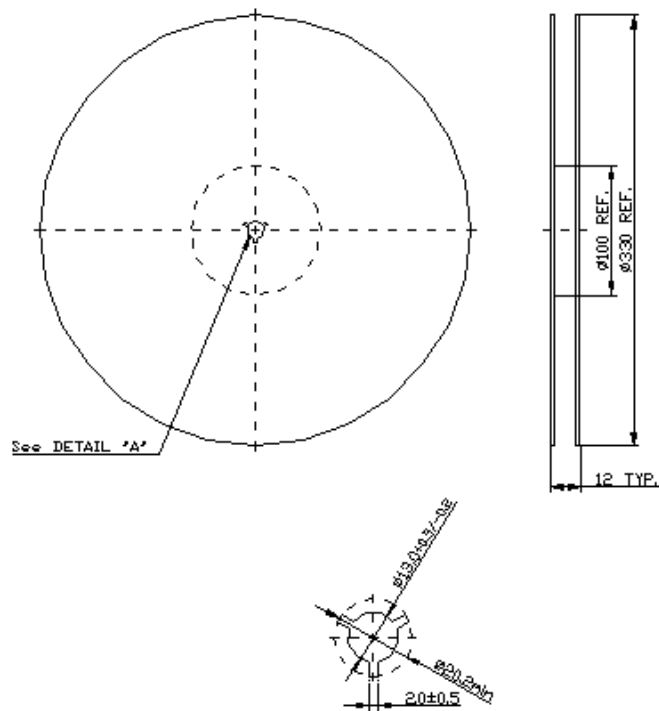
S22



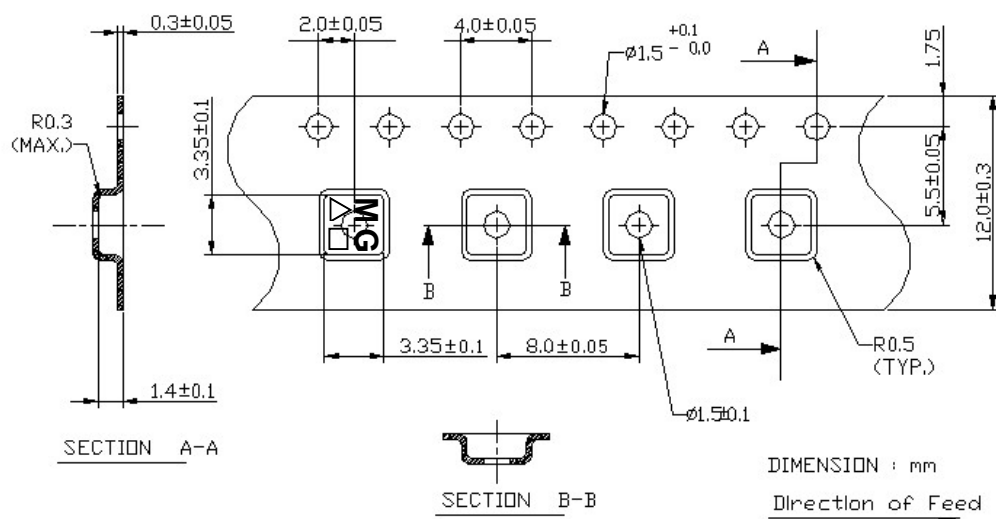
G. PACKING:

1. REEL DIMENSION

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



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

