



TAI-SAW TECHNOLOGY CO., LTD.

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Product Specifications Approval Sheet

Product Description: SAW Filter 2040 MHz SMD 3.0X3.0 mm

TST Part No.: TA1279A

Customer Part No.: _____

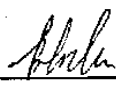
Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Bob Chau 

Approved by: _____ Francis Chen 

Date: _____ 9, 6, 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 2040 MHz

MODEL NO.:TA1279A

REV. NO.:1

A. MAXIMUM RATING:

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

RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

Terminating source impedance (balanced) :

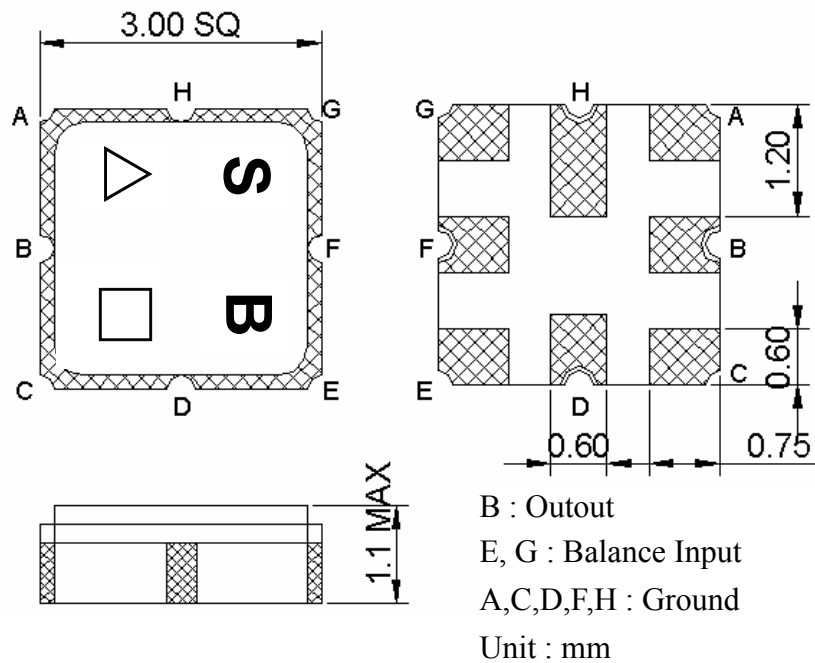
$Z_s = 150 \Omega // 12nH$

Terminating load impedance (single ended) :

$Z_L = 75 \Omega$

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency Fc	MHz	-	2040	-	-
Bandwidth at -2 dB	MHz	60	76	-	-
Insertion Loss in 2010~2070 MHz	dB	-	3.45	5	-
Amplitude ripple (2010 MHz ~ 2070 MHz)	dB	-	0.6	2	-
I/O VSWR (2010 MHz ~ 2070 MHz)		-	2.1	2.5	-
CMDR (2010 MHz ~ 2070 MHz)	dB	22	25	-	-
Attenuation (reference level from 0 dB)					
50 ~ 1925 MHz	dB	40	57	-	-
2190 ~ 3000 MHz	dB	40	56	-	-
3000 ~ 4000 MHz	dB	30	54	-	-
4000 ~ 6000 MHz	dB	15	35	-	-
Temperature Coefficient of Frequency	ppm/°C	-	-36	-	-

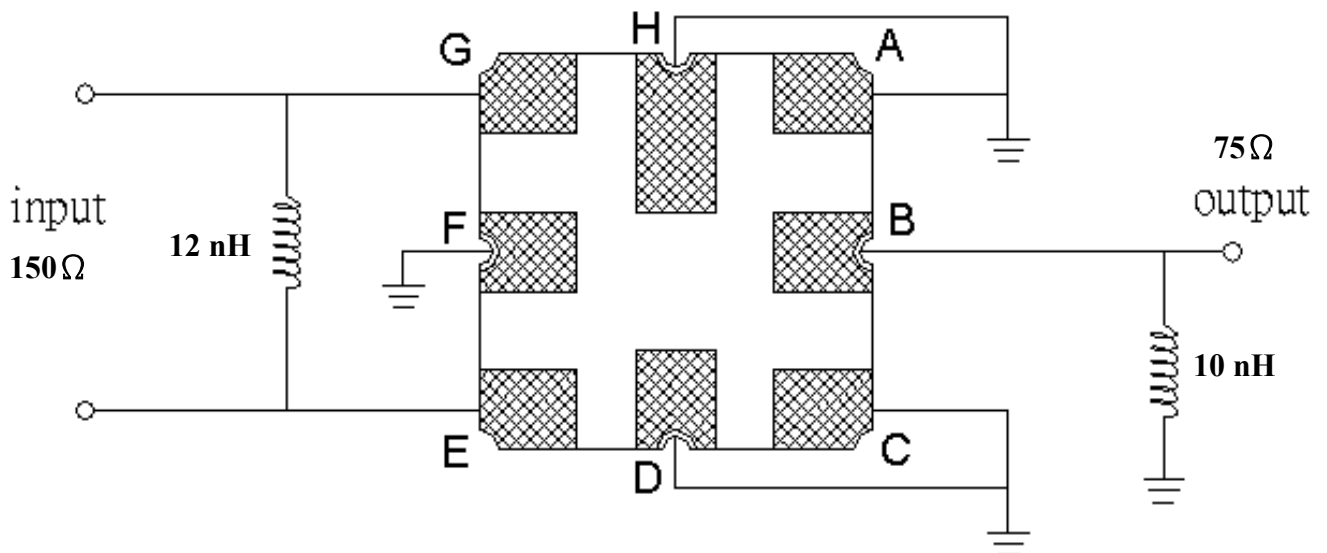
C.OUTLINE DRAWING:



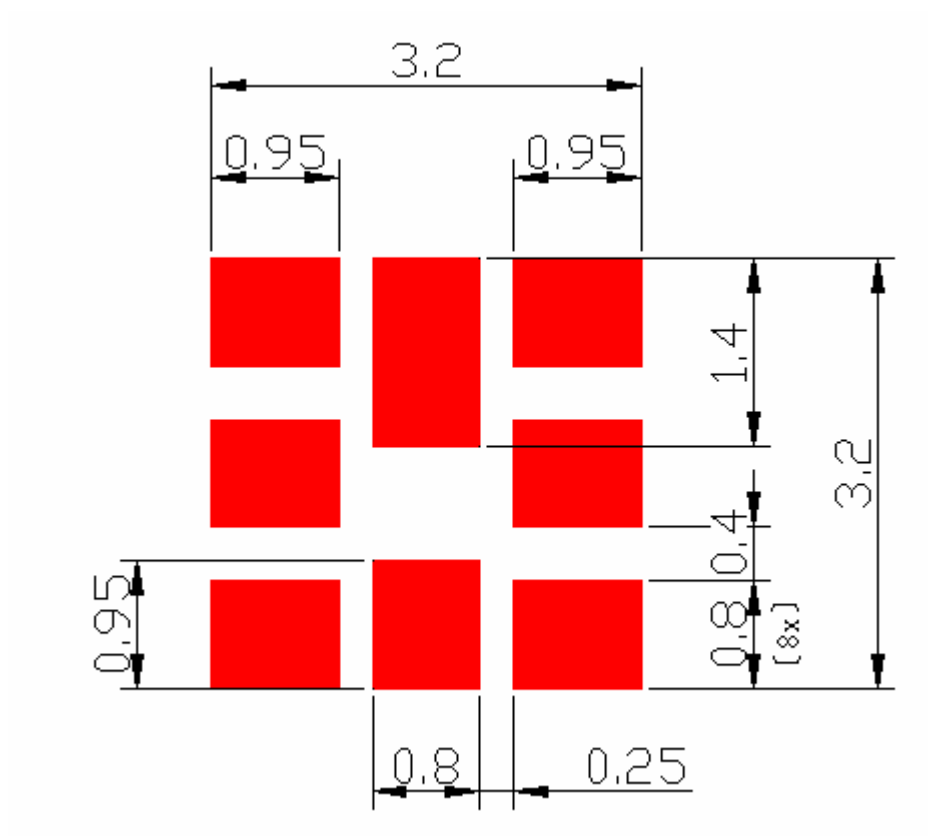
△ : Year Code (2009->9, 2010->0,..., 2018->8)

□ : Date Code (W01->A,...W26->Z,...W52->z)

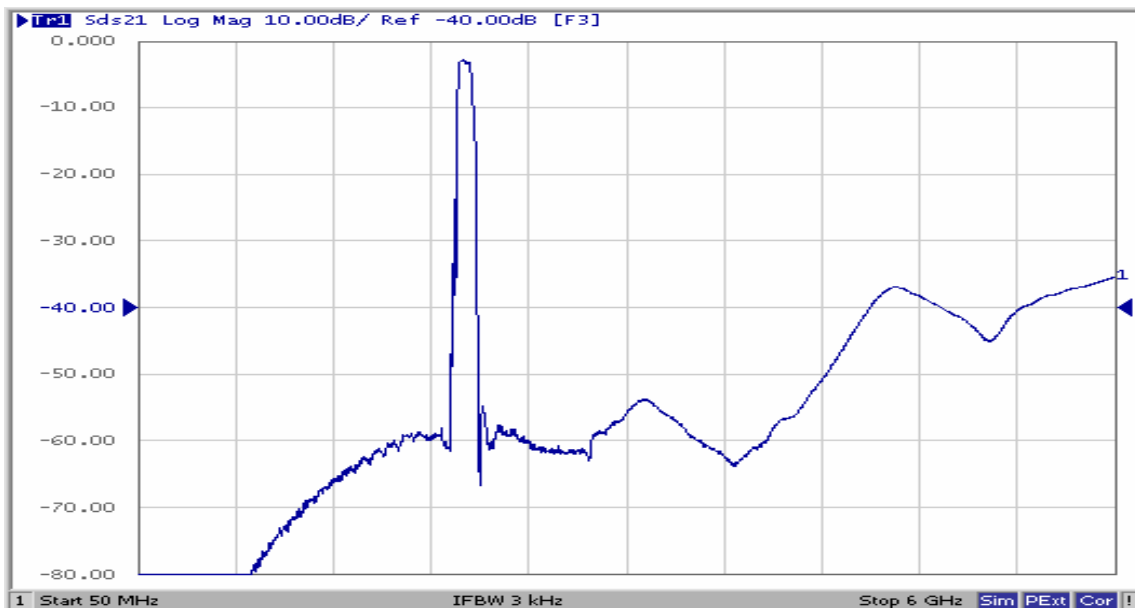
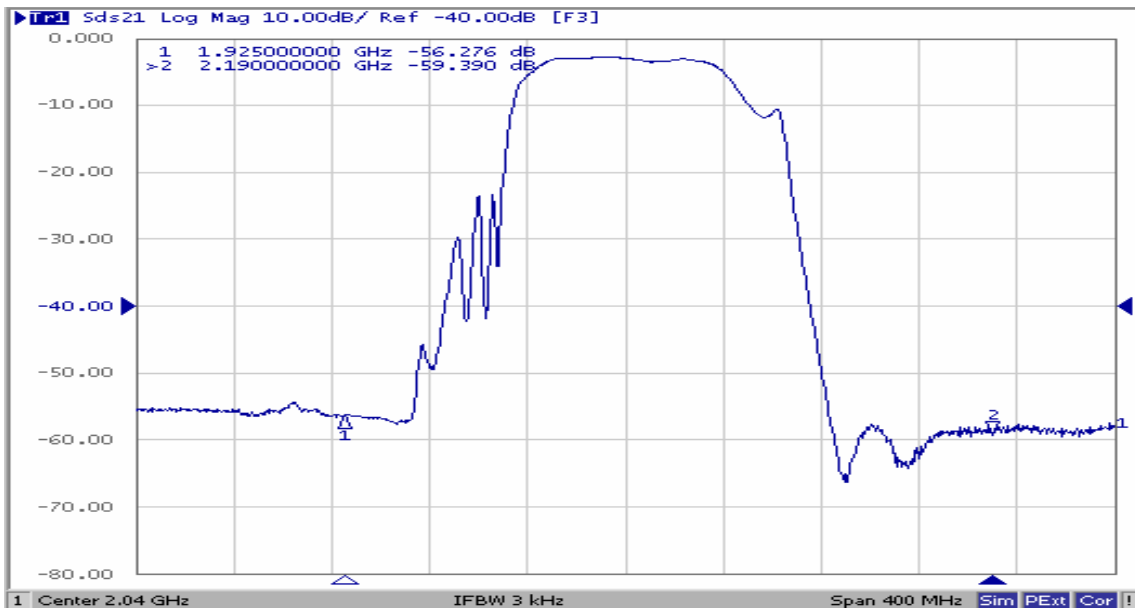
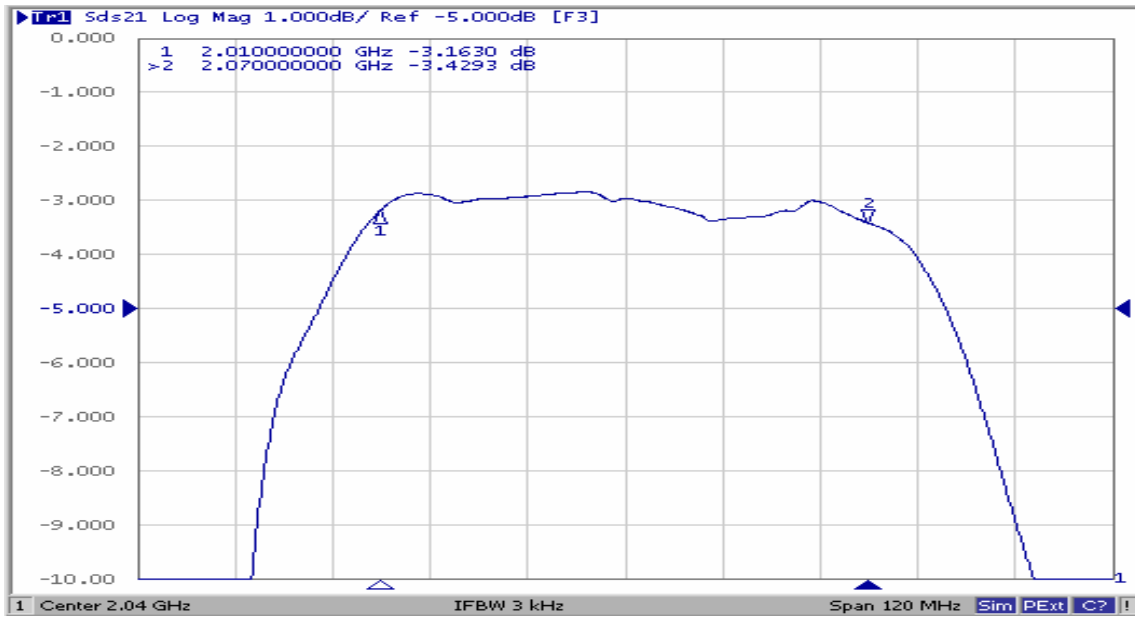
D. MEASUREMENT CIRCUIT:



E. PCB Footprint:

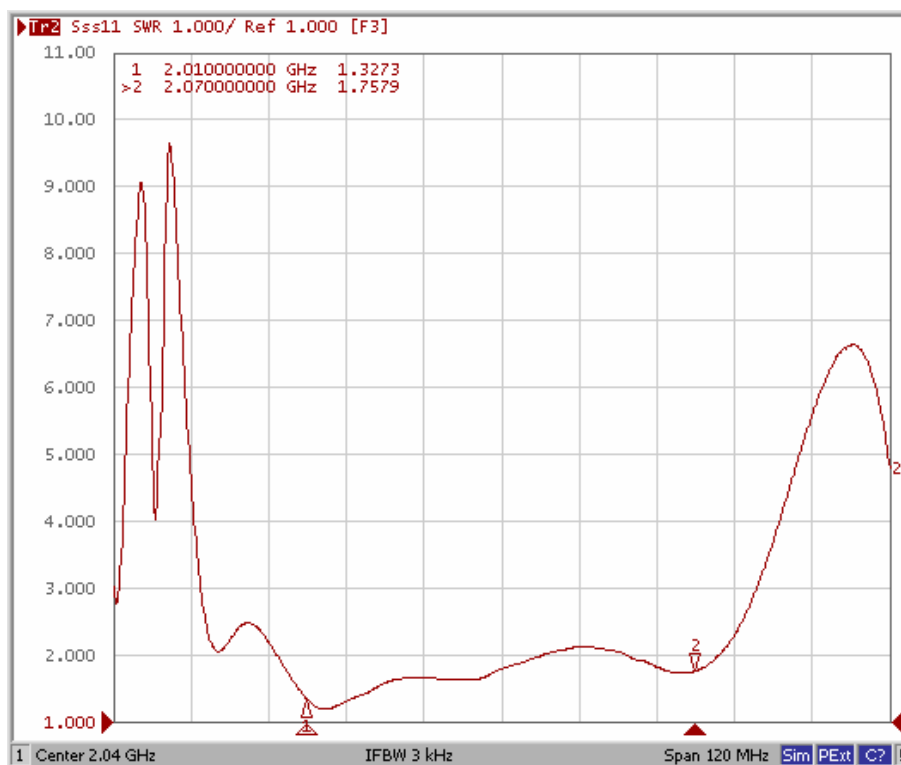


F. Frequency Characteristics :

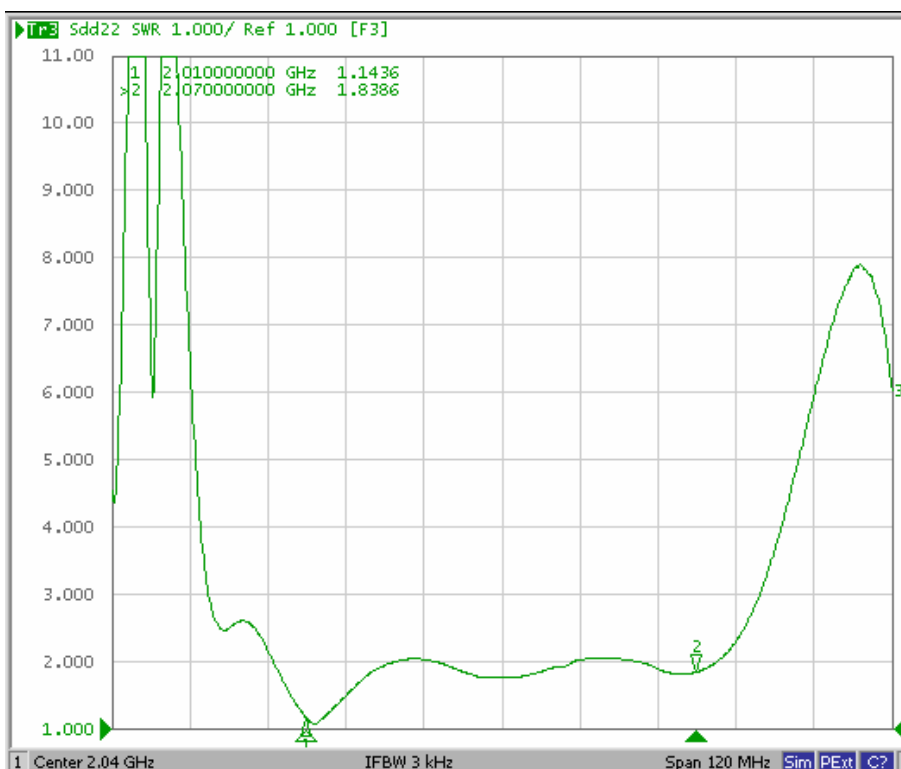


Reflection Functions :

S11



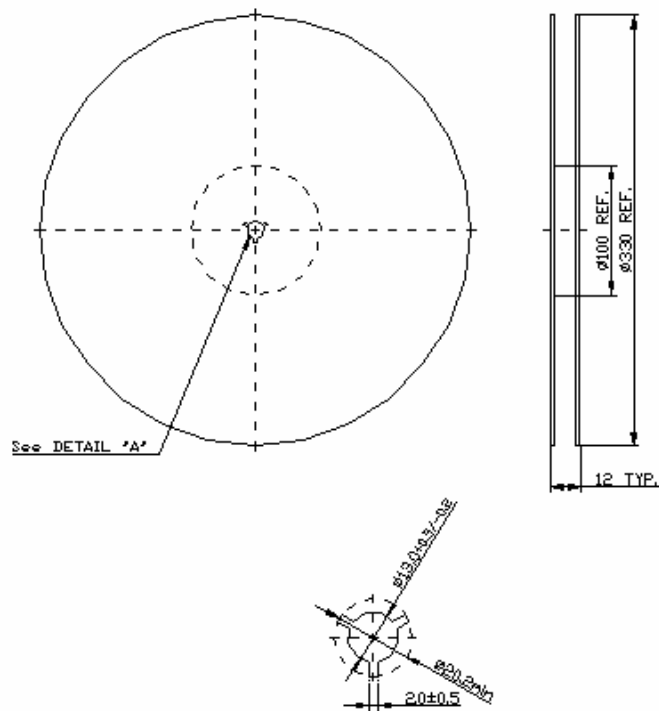
S22



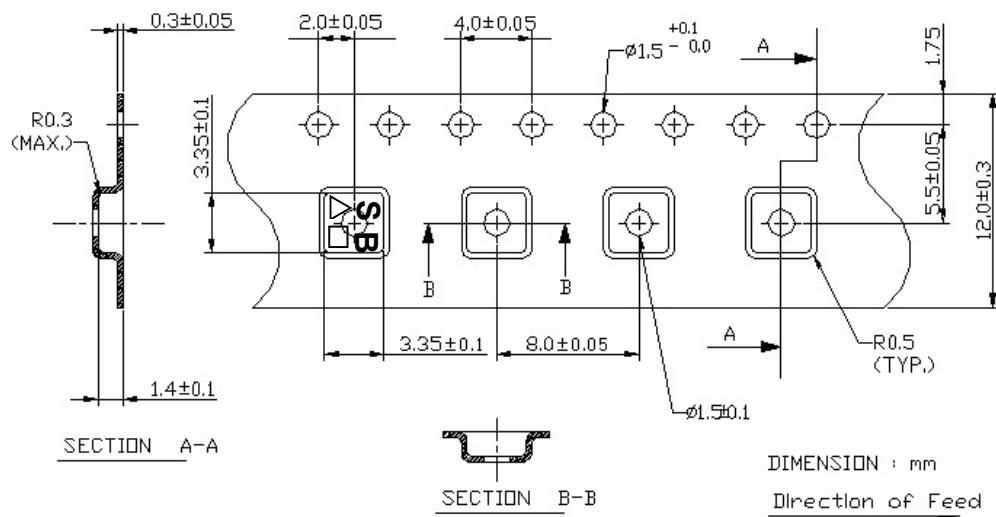
G. PACKING:

1. REEL DIMENSION

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



2.TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

1. Preheating shall be fixed at 150~180°C for 60~90 seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
3. Heating shall be fixed at 220°C for 50~80 seconds and at 245~260°C peak (min. 10sec).
4. Time : 2 times.

