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

Issued Date:

Product Name: SAW Filter 869 MHz (BW 2MHz) SMD 3X3 mm

TST Parts No.: TA1404A (This part is is compliant with AEC-Q200)

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Michael Yang _____

Approval by:_____ Bob Chau _____

Date:_____ 2014/2/25 _____

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 869MHz

MODEL NO.:TA1404A REV. NO.:4.0

A. MAXIMUM RATING:

1. Input Power Level: 13 dBm
2. DC Voltage : 0V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

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

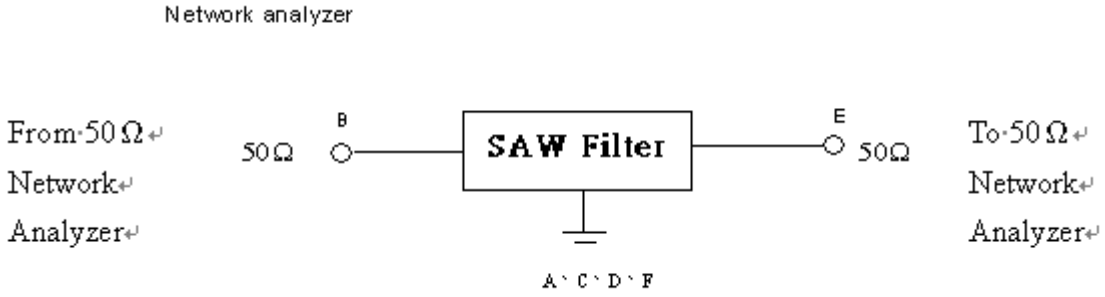
B. ELECTRICAL CHARACTERISTICS:

Terminating source impedance (single) : Zs = 50 Ω

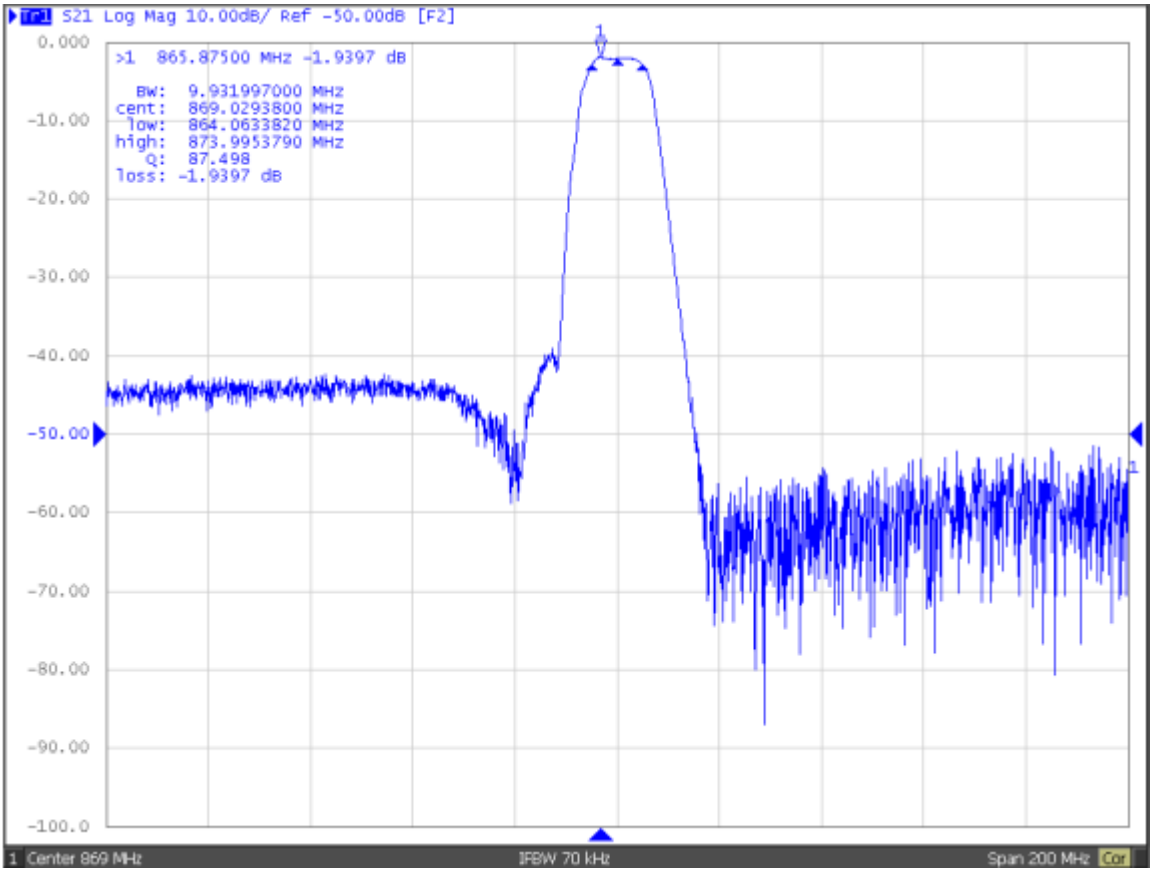
Terminating load impedance(single) : Z_L = 50 Ω

Item	Unit	Min	Type.	Max
Center Frequency **Fc**	MHz	-	869	-
Insertion Loss (868~870 MHz) **IL**	dB		2.3	3.0max
Amplitude ripple(868~870 MHz)	dB		0.3	0.6max
Attenuation				
100 ~ 300 MHz	dB	45	50	
300 ~ 845 MHz	dB	40	45	
845 ~ 853 MHz	dB	38	43	
879 ~ 883 MHz	dB	15	30	
883 ~ 915 MHz	dB	40	45	
915 ~ 945 MHz	dB	45	50	
945 ~ 1200 MHz	dB	45	55	
1200 ~ 2000 MHz	dB	35	40	
Package size	mm	SMD 3x3		

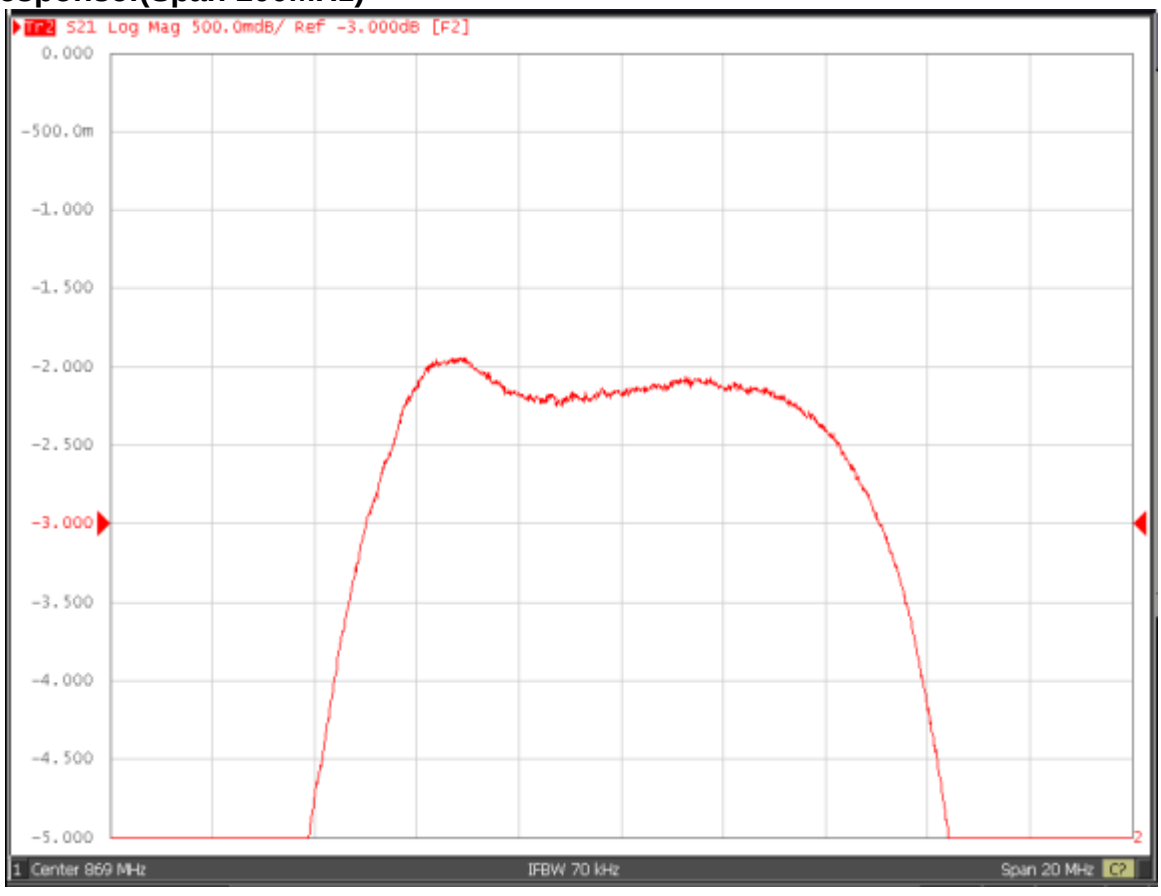
C.. TEST CIRCUIT:



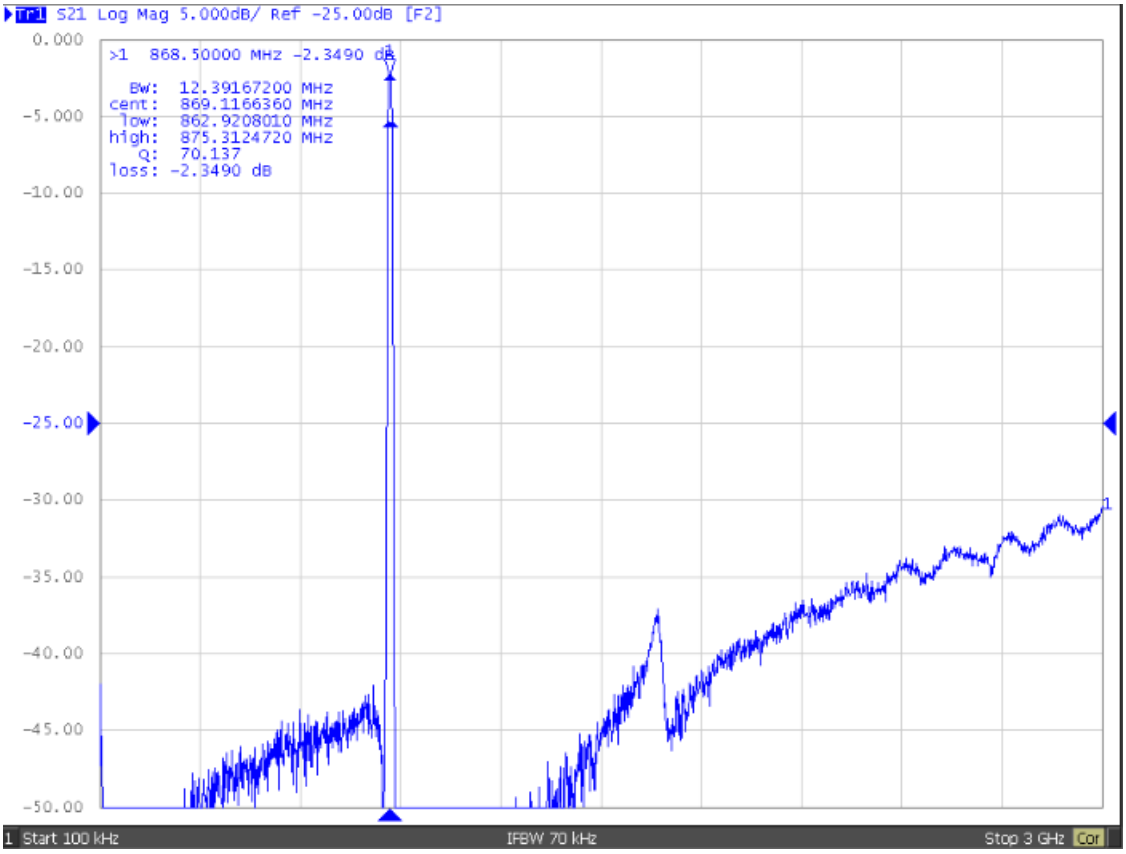
D. Frequency Characteristics : S21 response:(Span 200MHz)



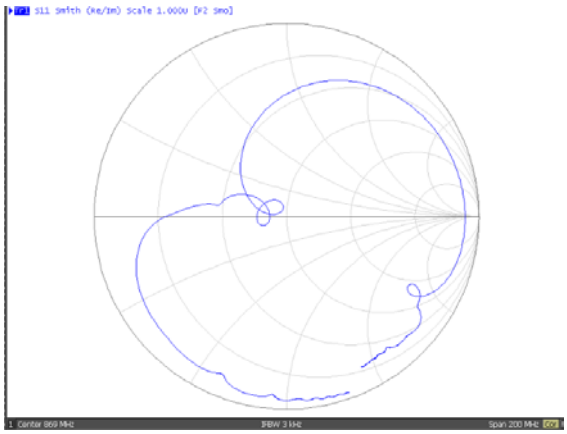
S21 response:(Span 100MHz)

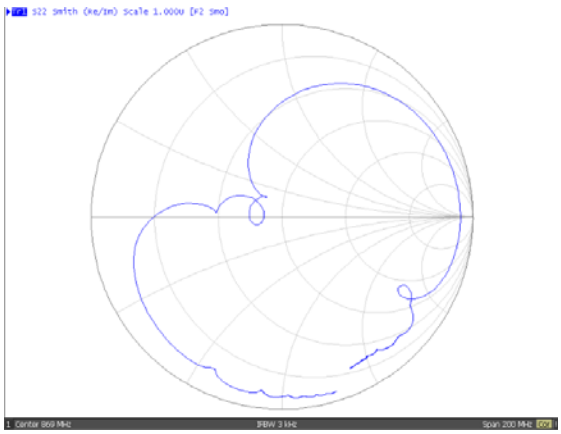


S21 response:(100KHz ~ 3GHz)

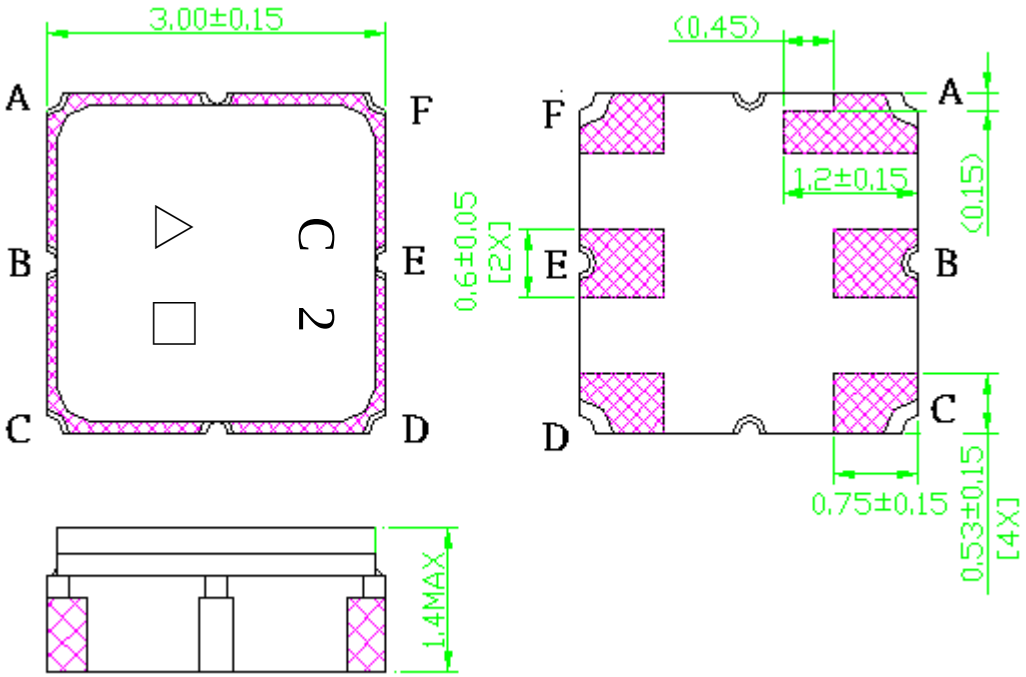


S11/S22 response:





E.OUTLINE DRAWING:



#B: Input

#E: Output

A.C.D.F Ground

△:Year code (ex 2008→8)

□: Date code

Unit: mm

Data code：See the table

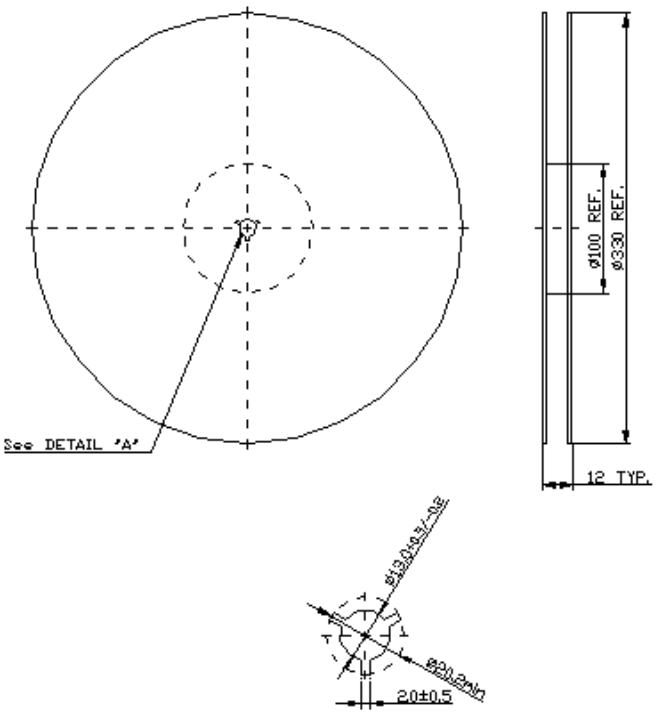
WK	01	02	…	26	27	28	…	52
Code	A	B	…	Z	a	b	…	z

Δ Year code：See the table

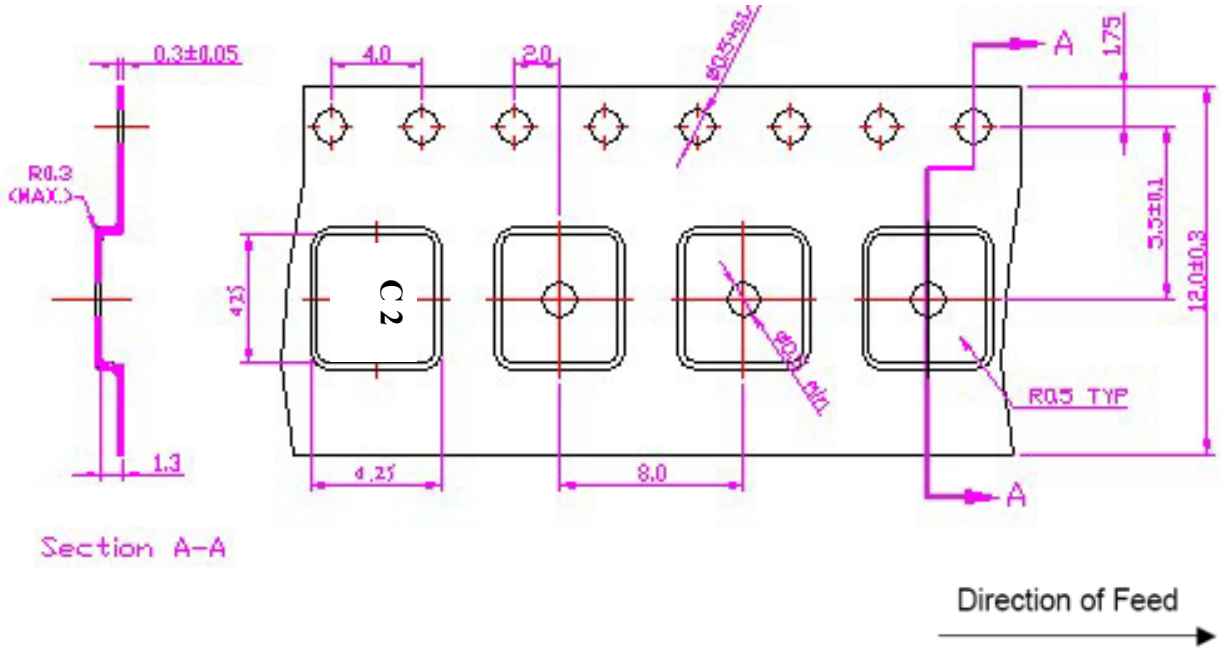
Year	2008	2009	2010	2011	…	2019	2020
Code	8	9	0	1	…	9	0

F. <u>PACKING:</u>

1. REEL DIMENSION



2. TAPE DIMENSION



G. RECOMMENDED REFLOW PROFILE :