



TAI-SAW TECHNOLOGY CO., LTD.

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Product Specifications Approval Sheet

Issued Date:

Product Name: SAW Filter 866 MHz (BW 7MHz) SMD 3X3 mm

TST Parts No.: TA1687A (This part is is compliant with AEC-Q200)

Customer Parts No.: _____

Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: _____ Michael Yang *Michael*

Approval by: _____ Bob Chau *Bob Chau*

Date: _____ 2013/12/02

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 866MHz

MODEL NO.:TA1687A

REV. NO.:1.0

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 Sensitive Device (ESD)

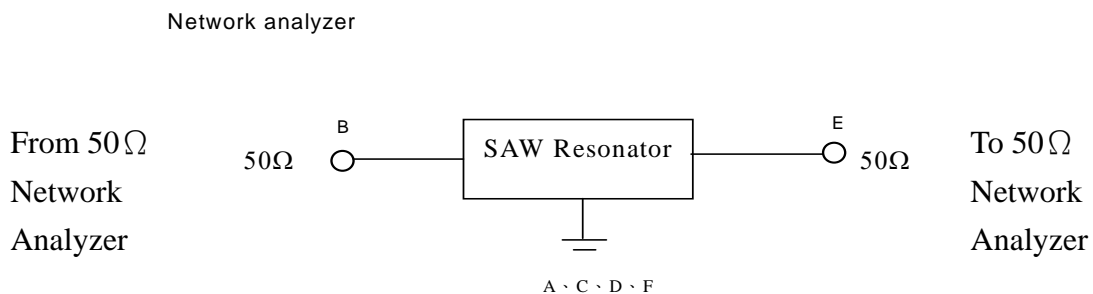
B. ELECTRICAL CHARACTERISTICS:

Terminating source impedance (single) : $Z_s = 50 \Omega$

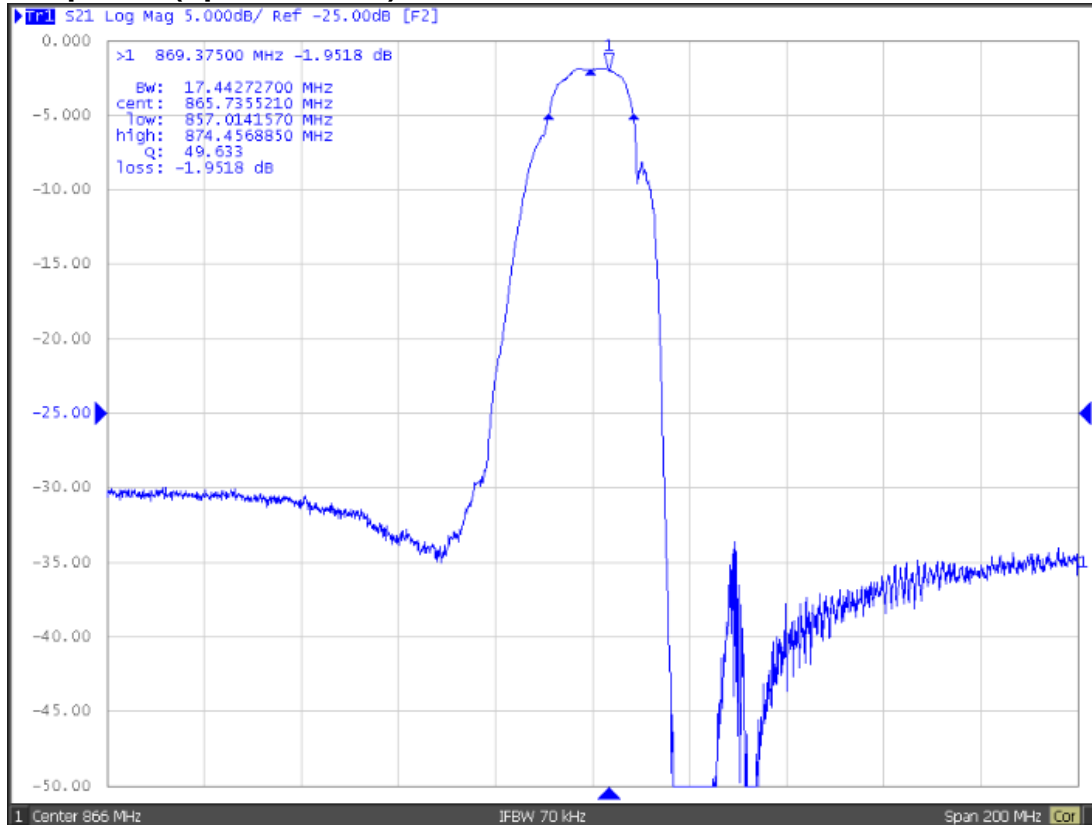
Terminating load impedance(single) : $Z_L = 50 \Omega$

Item	Unit	Min	Type.	Max
Center Frequency Fc	MHz	-	866	-
Insertion Loss (863~870 MHz) IL	dB		2.6	3.5max
Amplitude ripple(863~870 MHz)	dB		0.6	1.2max
Attenuation				
10 ~ 300 MHz	dB	33	35	
300 ~ 840 MHz	dB	28	30	
883 ~ 892 MHz	dB	30	35	
892 ~ 1000 MHz	dB	30	35	
Package size	mm	SMD 3x3		

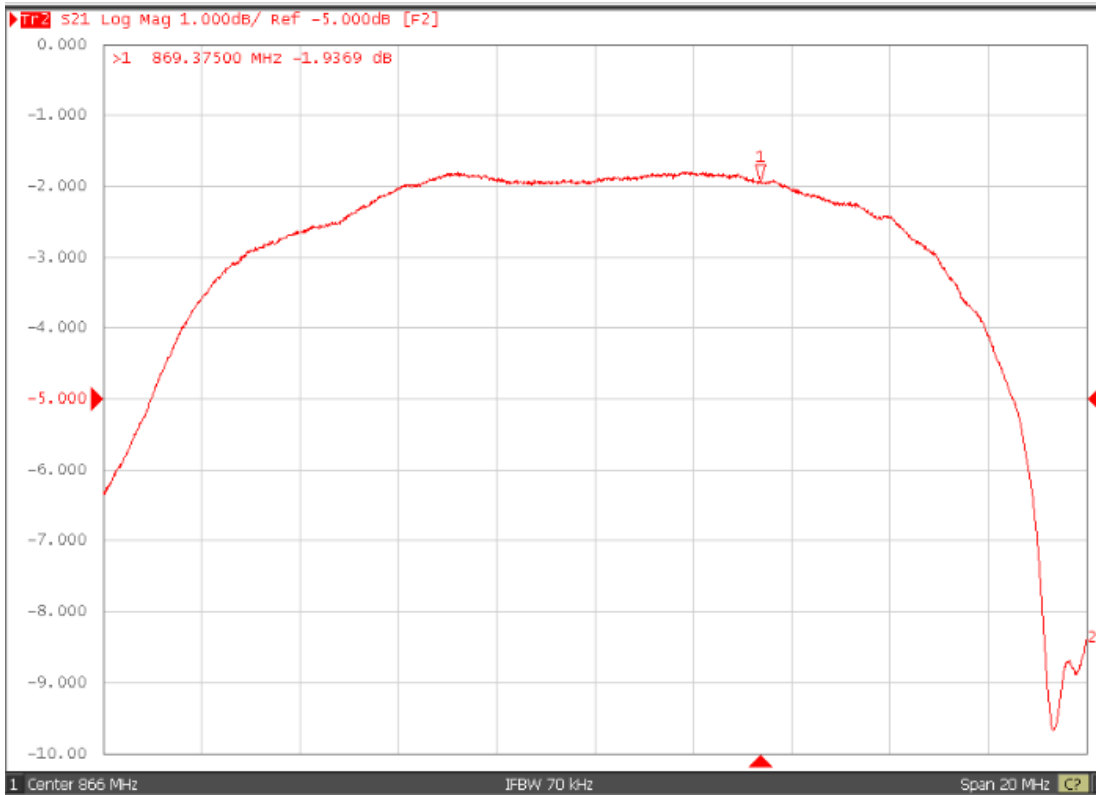
C. TEST CIRCUIT:



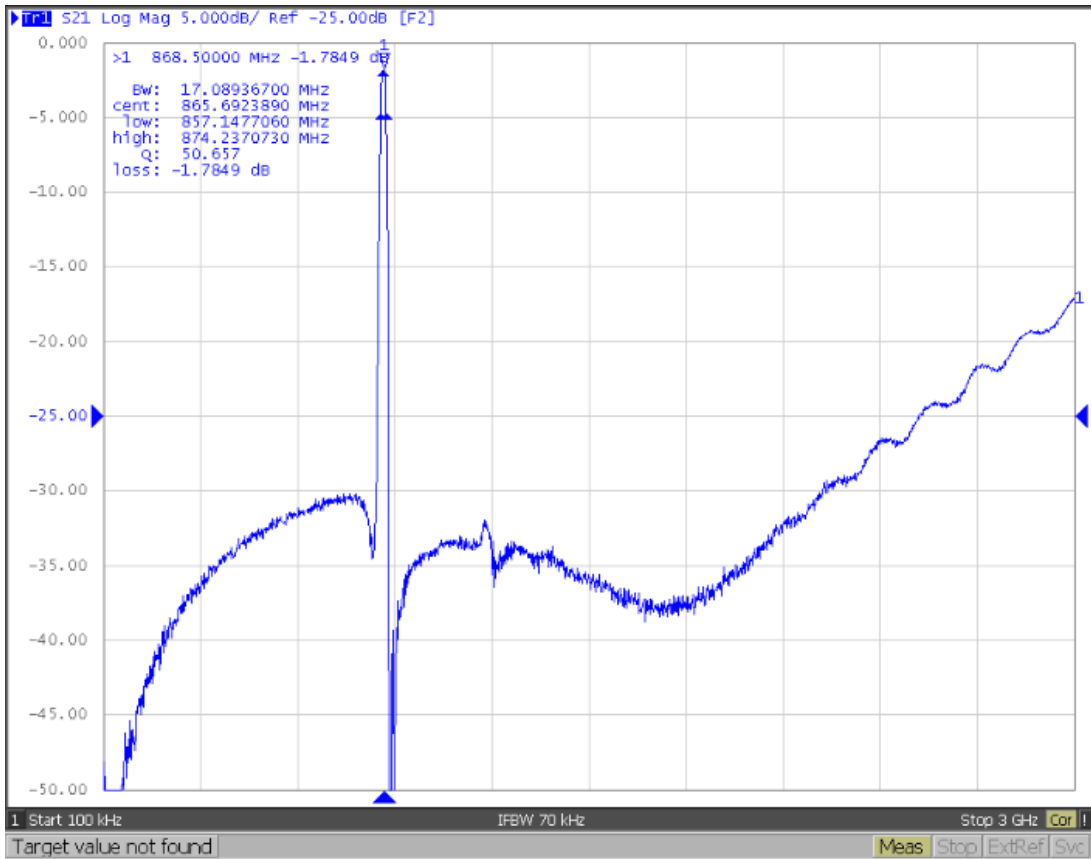
D. Frequency Characteristics :
S21 response:(Span 200MHz)



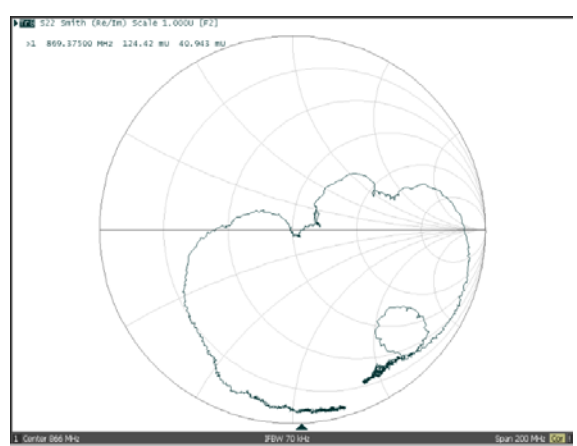
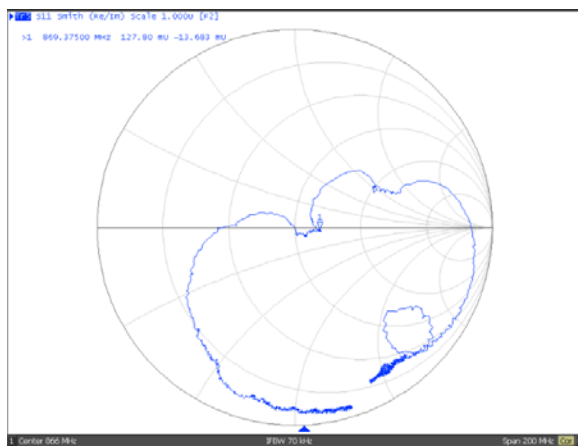
S21 response:(Span 100MHz)



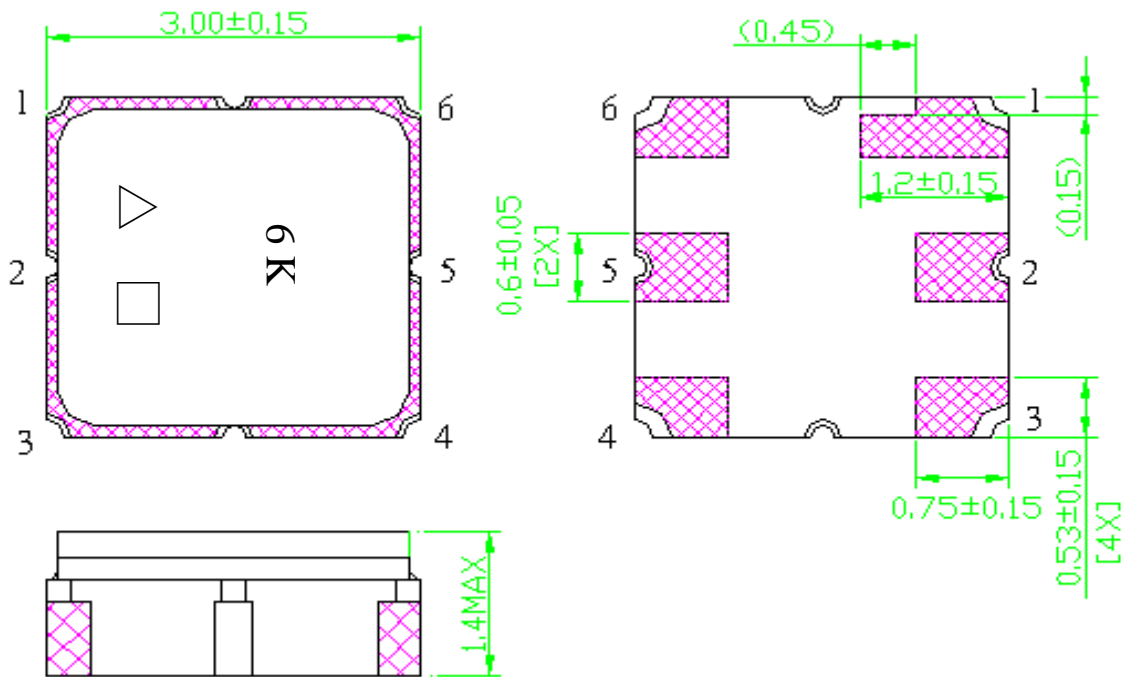
S21 response:(100KHz ~ 3GHz)



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

△ Year code : See the table

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

G. RECOMMENDED REFLOW PROFILE :

