



TAI-SAW TECHNOLOGY CO., LTD.

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Product Specifications Approval Sheet

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

TST Part No.: TA1662A

Customer Part No.: _____

Customer signature required
Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: _____ Michael Yang *Michael*

Approval by: _____ Andy Yu *Andy Yu*

Date: _____ 2019/08/28

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.:TA1662A

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
5. Moisture Sensitivity Level: (MSL): Level 1

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) : $Z_L = 50 \Omega$

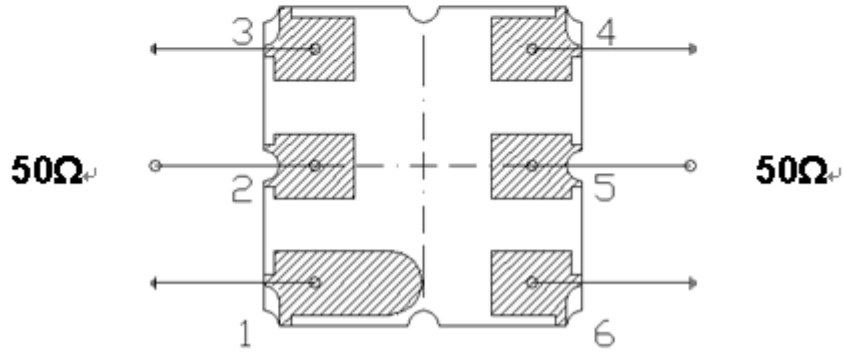
Item	Unit	Min	Type.	Max
Center Frequency Fc	MHz	-	869	-
Insertion Loss (868~870 MHz) IL	dB		2.6	3.5max
Amplitude ripple(868~870 MHz)	dB		0.6	1.2max
Attenuation				
10 ~ 845 MHz	dB	35	40	
845 ~ 851 MHz	dB	32	36	
851 ~ 856.8 MHz	dB	20	24	
883 ~ 892 MHz	dB	20	35	
892 ~ 1000 MHz	dB	42	47	
Package size	mm	SMD 3x3		

C... TEST CIRCUIT:

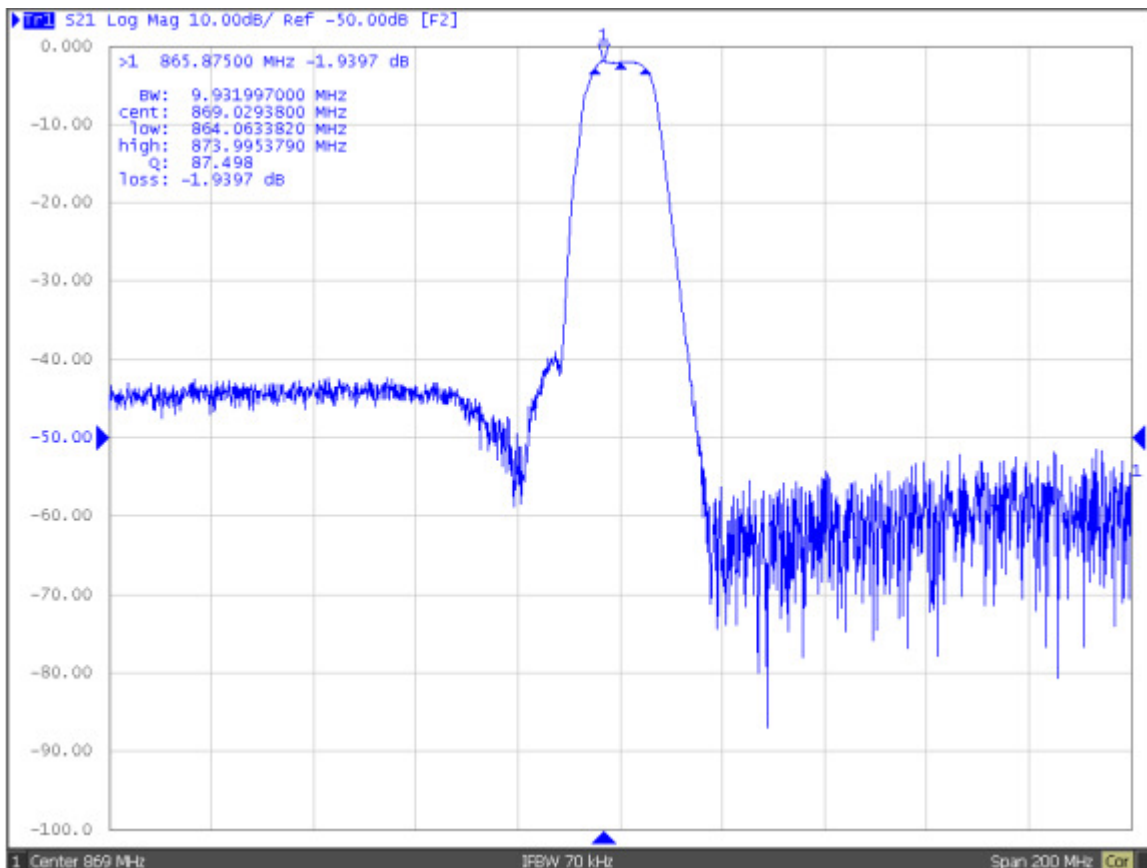
(2): Unbalance Port

(5): Unbalance Port

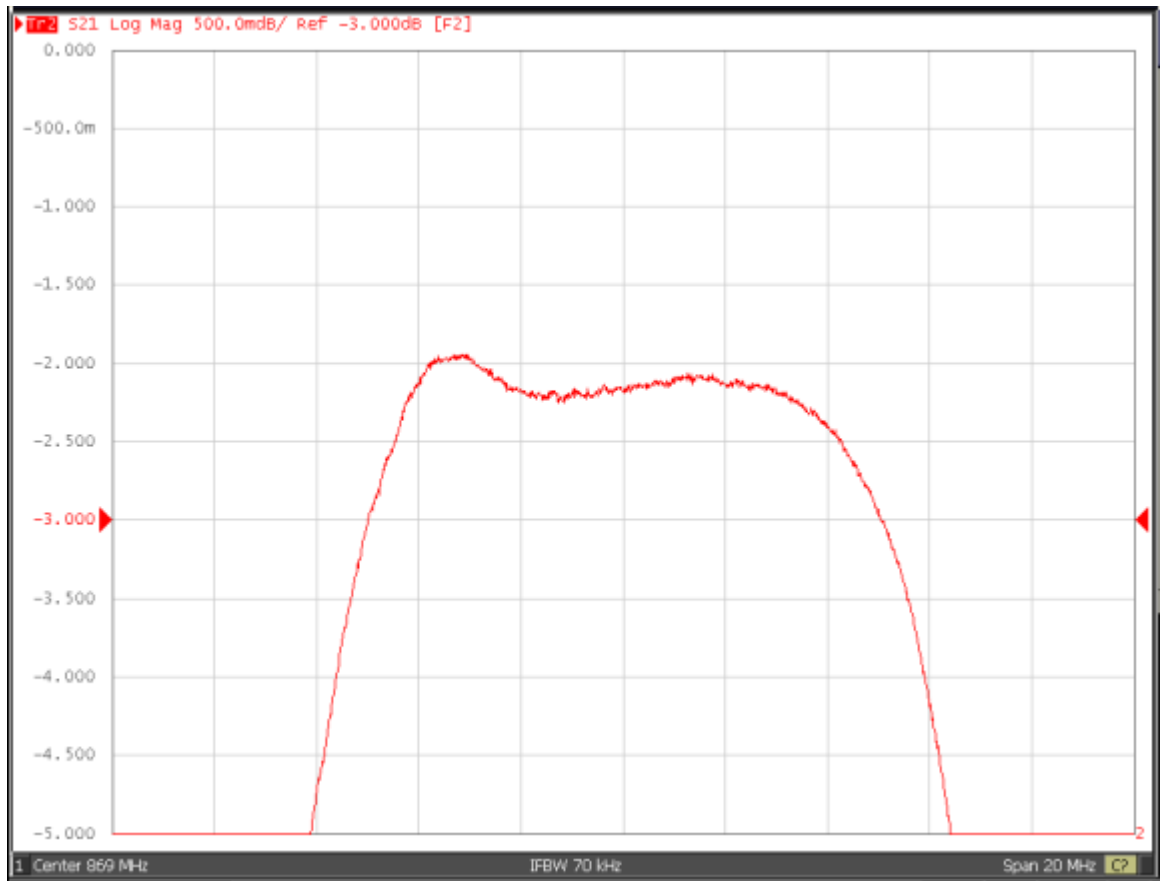
Others: Ground



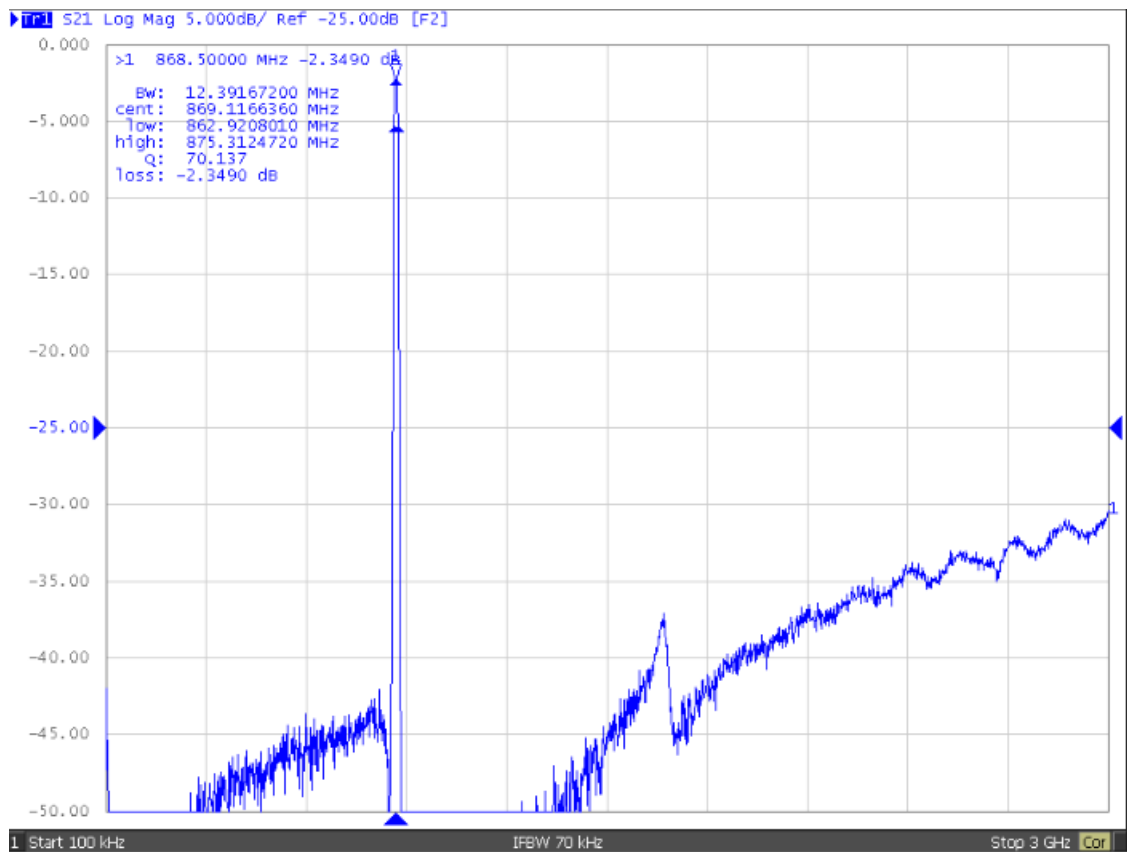
D. Frequency Characteristics: S21 response :(Span 200MHz)



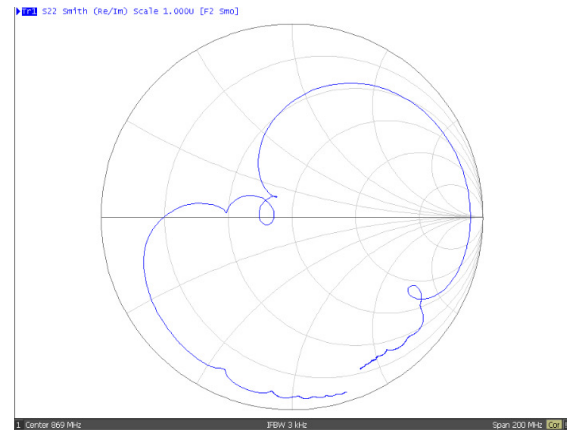
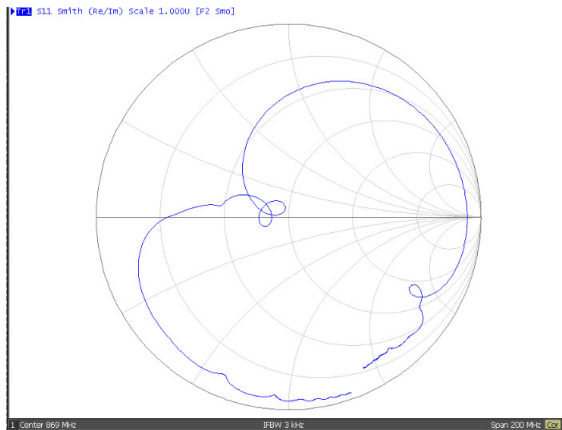
S21 response:(Span 20MHz)



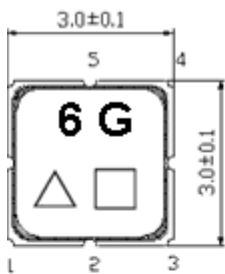
S21 response :(100KHz ~ 3GHz)



S11/S22 response:

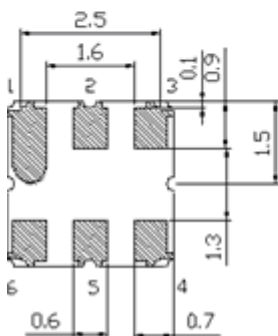


E.OUTLINE DRAWING:



Unit : mm

Not Specified Tolerance : +/-0.15 mm



Pin No.	Symbol	Function
1	GND	Ground
2	IN	Input
3	GND	Ground
4	GND	Ground
5	OUT	Output
6	GND	Ground

□ Data code : See the table

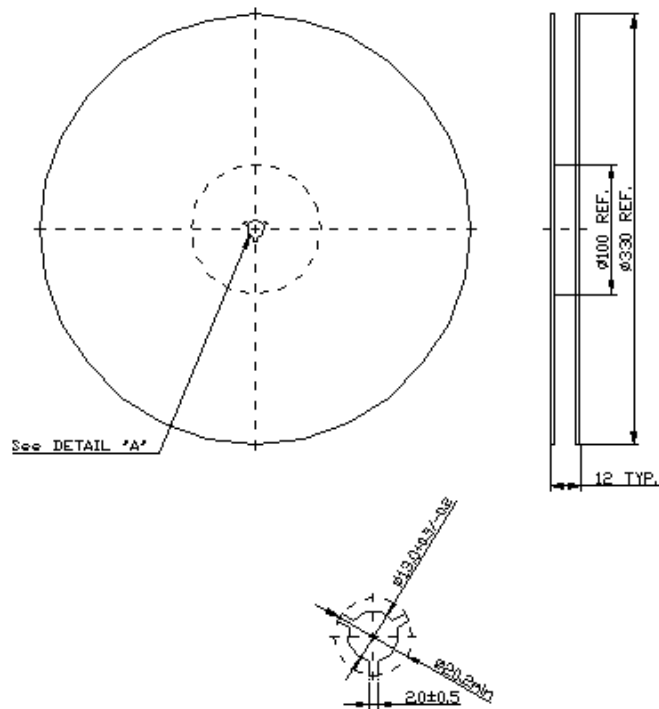
WK	01	02	...	26	27	28	...	52
Code	A	B	...	Z	a	b	...	z

△ Year code : See the table

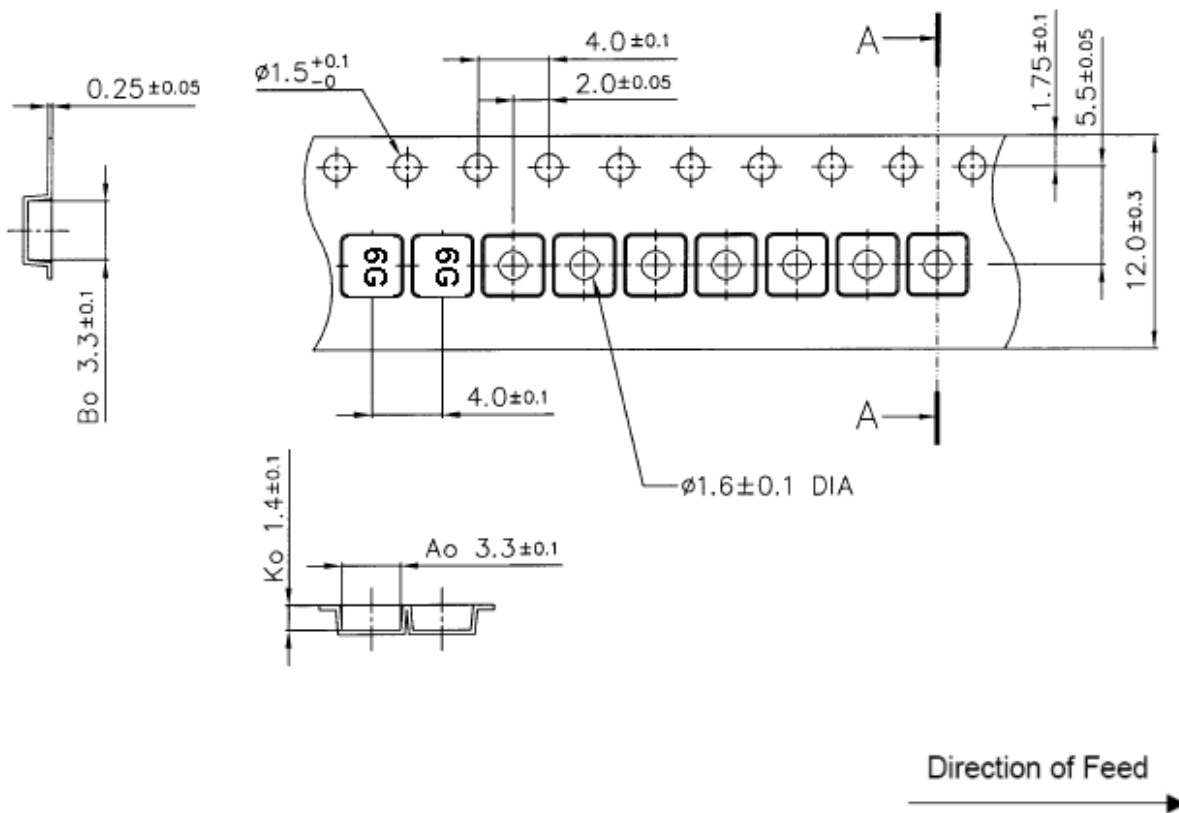
Year	2008	2009	2010	2011	...	2019	2020
Code	8	9	0	1	...	9	0

F. PACKING:

1. REEL DIMENSION
 (Please refer to FR-75D10 for packing quantity)



2. TAPE DIMENSION



G. 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 260°C +0/-5°C peak (20~40sec).
4. Time: 2 times.

