



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.

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Product Specifications Approval Sheet

Product Description: SAW Filter 869 MHz SMD 3.0×3.0 mm (BW=2 MHz)

TST Part No.: TA1729A

Customer Part No.: _____

Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ David Chang 

Approved by: _____ Bob Chau 

Date: _____ 2014/04/10

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.: TA1729A

REV. NO.:1.0

A. MAXIMUM RATING:

1. Input Power Level: 20 dBm
2. DC Voltage : 3.5V
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:

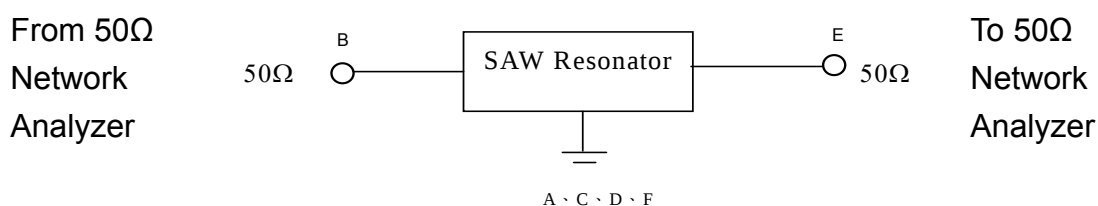
Terminating source impedance (single) : $Z_s = 50 \Omega$

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

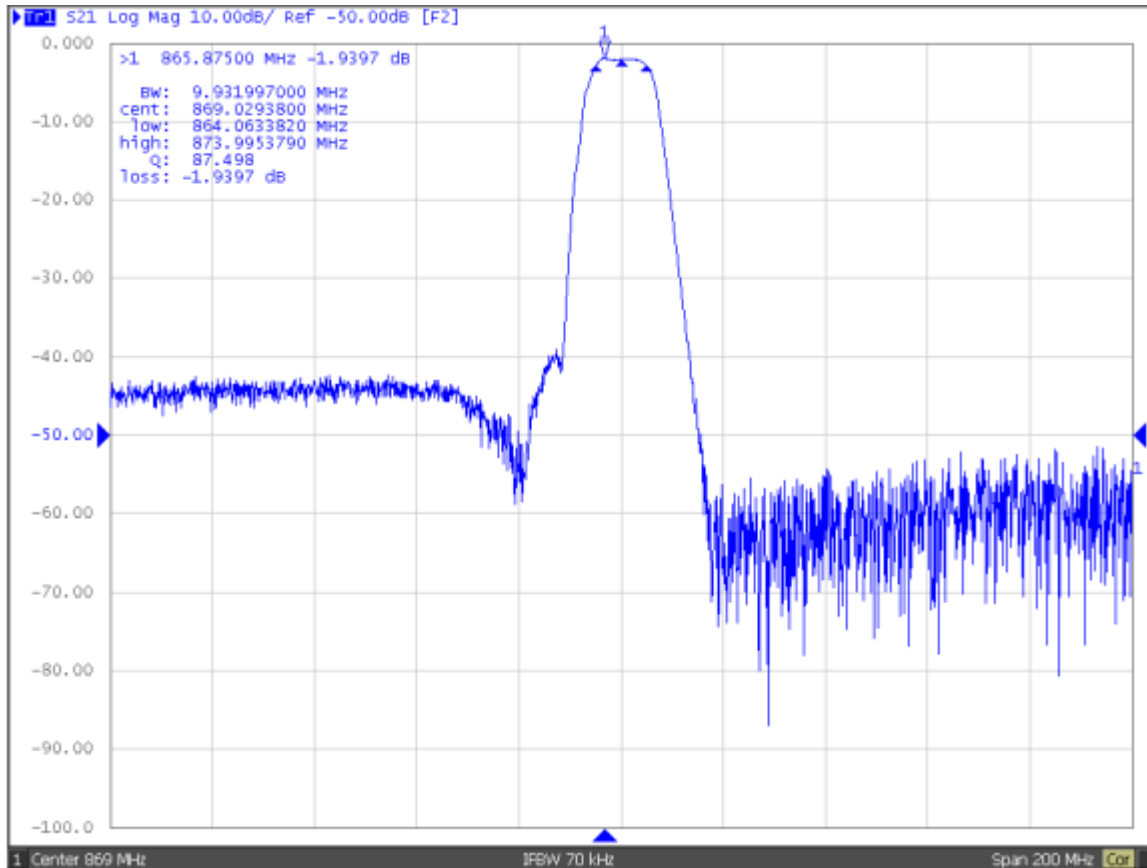
Item	Unit	Min	Type.	Max
Center Frequency Fc	MHz	-	869	-
Insertion Loss (868~870 MHz) IL	dB	-	2.3	3.0
Amplitude ripple (868~870 MHz)	dB	-	0.3	0.6
Attenuation				
100 ~ 300 MHz	dB	45	50	-
300 ~ 845 MHz	dB	40	45	-
845 ~ 853 MHz	dB	38	43	-
879 ~ 883 MHz	dB	15	30	-
883 ~ 915 MHz	dB	40	45	-
915 ~ 945 MHz	dB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

C. TEST CIRCUIT:

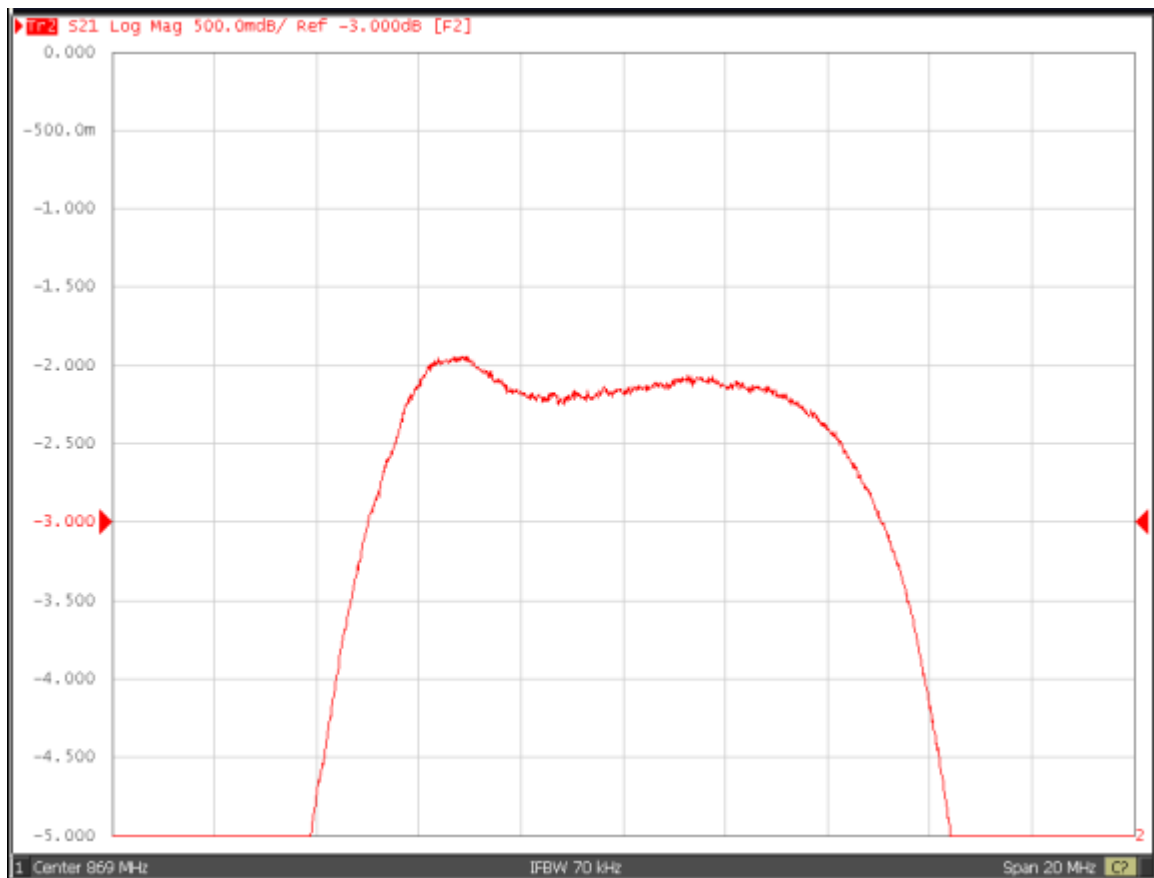
Network analyzer



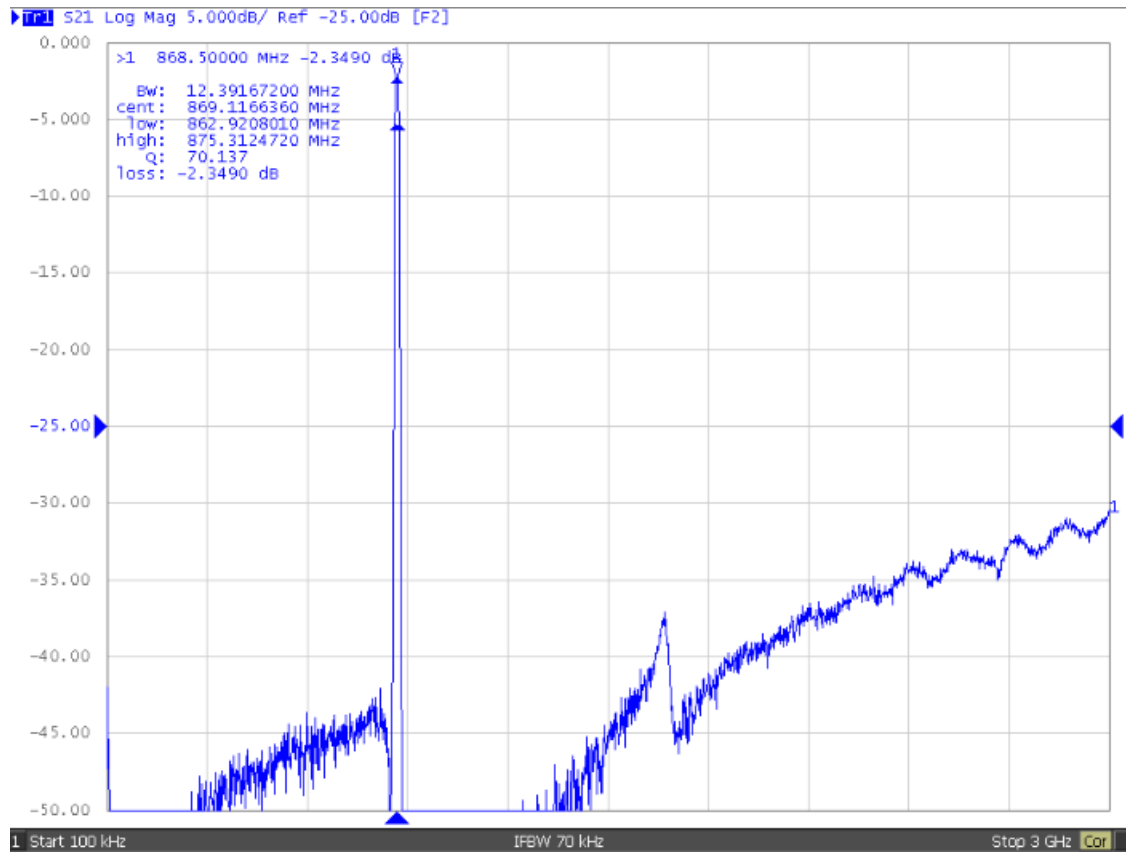
D. Frequency Characteristics: S21 response: (Span 200MHz)



S21 response: (Span 100MHz)



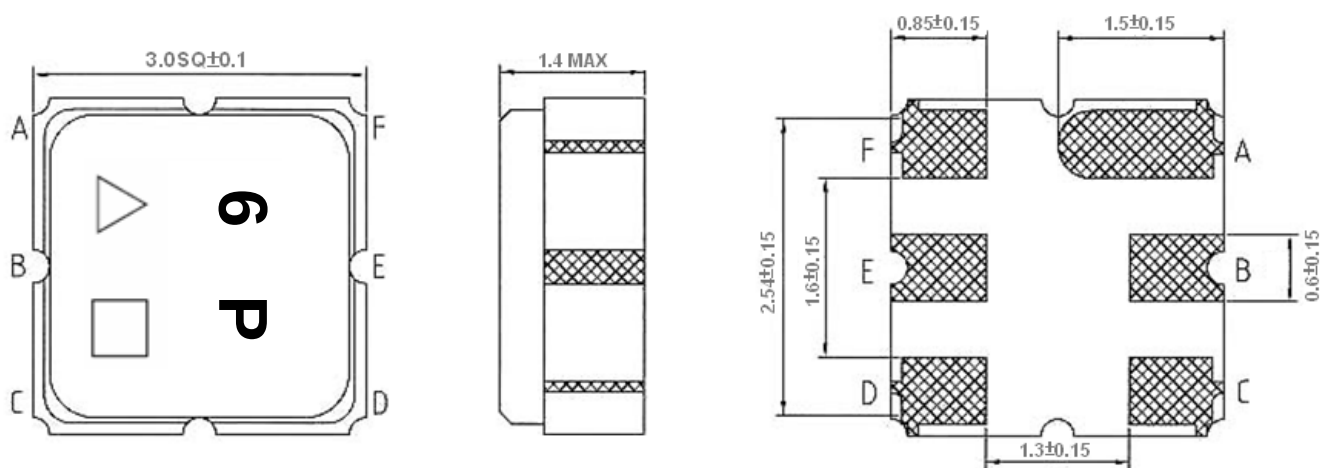
S21 response: (100KHz ~ 3GHz)



S11/S22 response:



E. OUTLINE DRAWING:



B: Input

E: Output

A, C, D, F: Ground

Unit: mm

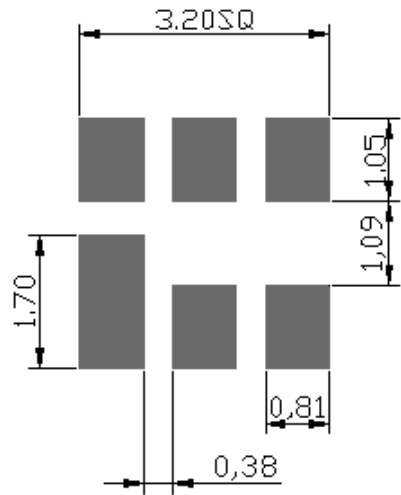
△ : Year Code (2011->1, 2012->2, ..., 2019->9, 2020->0)

□ : Date Code

Date Code Table:

WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	WK15	WK16	WK17	WK18	WK19	WK20	WK21	WK22	WK23	WK24	WK25	WK26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	WK28	WK29	WK30	WK31	WK32	WK33	WK34	WK35	WK36	WK37	WK38	WK39
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	WK41	WK42	WK43	WK44	WK45	WK46	WK47	WK48	WK49	WK50	WK51	WK52
n	o	p	q	r	s	t	u	v	w	x	y	z

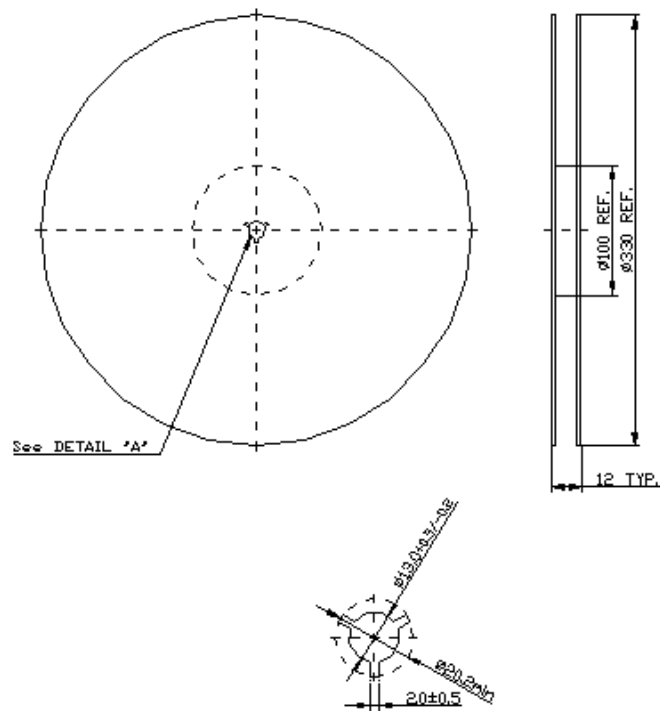
F.PCB FOOTPRINT:



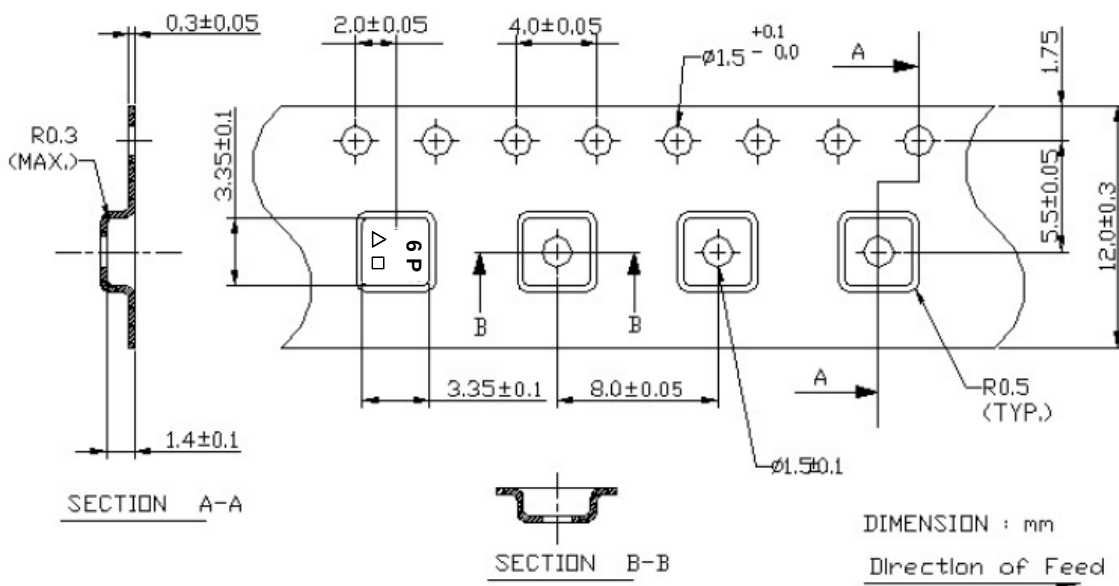
G. PACKING:

1. REEL DIMENSION

(Please refer to FR-75D10 for packing quantity)



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE:

