



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 Name: SAW Filter 860MHz (BW 18MHz) SMD 3.8×3.8mm

TST Parts No.:TA1559A

Customer Parts No.:_____

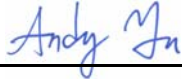
Customer signature required

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Andy Yu 

Approval by:_____ Bob Chau 

Date:_____ 2014/10/28

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 860MHz(BW 18MHz) SMD 3.8×3.8mm

MODEL NO.: TA1559A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 20 dBm
2. DC voltage: 3 V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +85°C

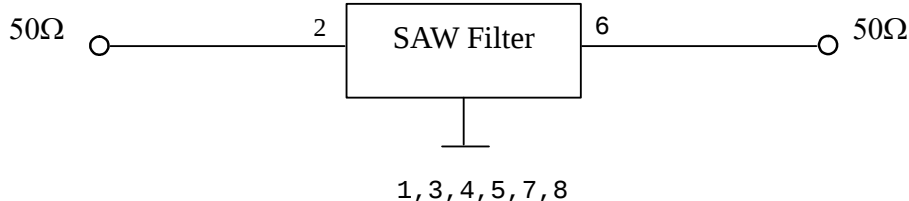
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Type.	Max.	Note
Center Frequency Fc	MHz	-	860	-	-
Max. Insertion Loss (851 ~ 869 MHz) IL	dB	-	2.8	3.5	-
Passband ripple (851 ~ 869 MHz)	dB	-	1.0	2.0	-
Source Impedance (single ended)	Ω	-	50	-	-
Load Impedance (single ended)	Ω	-	50	-	-
Attenuation					
D.C ~ 800 MHz	dB	45	66	-	-
800 ~ 830 MHz	dB	30	52	-	-
895 ~ 920 MHz	dB	30	47	-	-
920 ~ 1300 MHz	dB	45	55	-	-
Package size	mm	SMD 3.8x3.8			

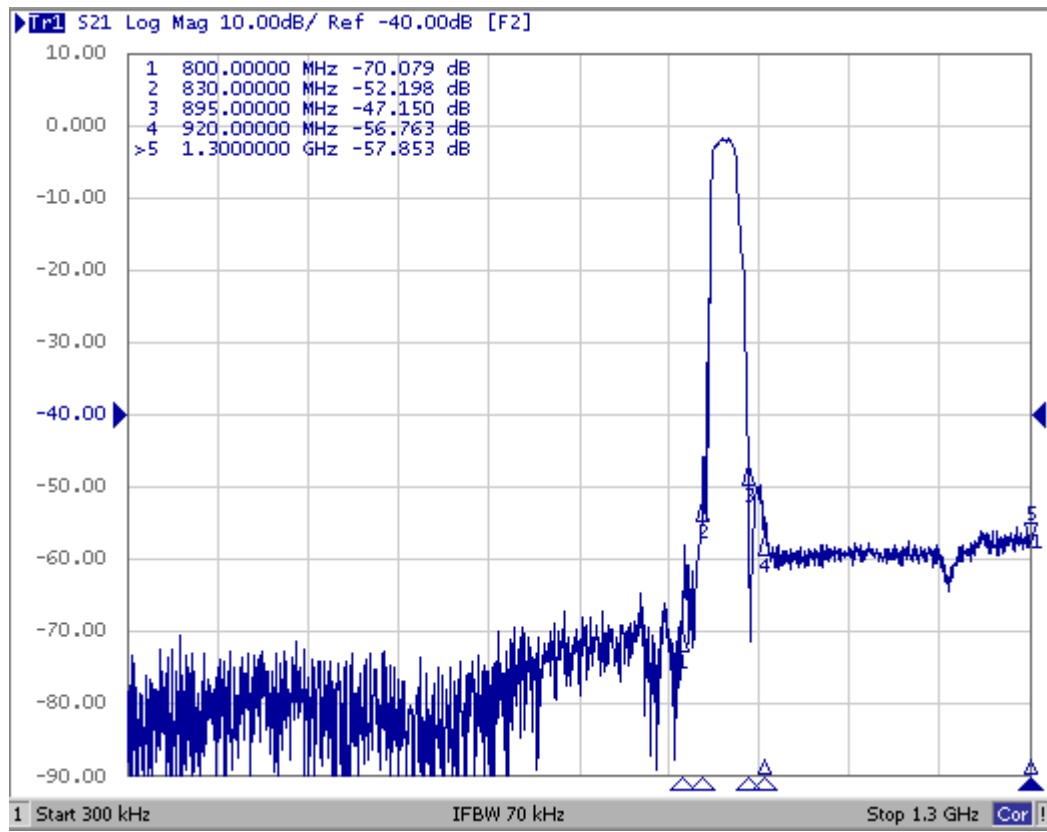
C. MEASUREMENT CIRCUIT:

HP Network analyzer

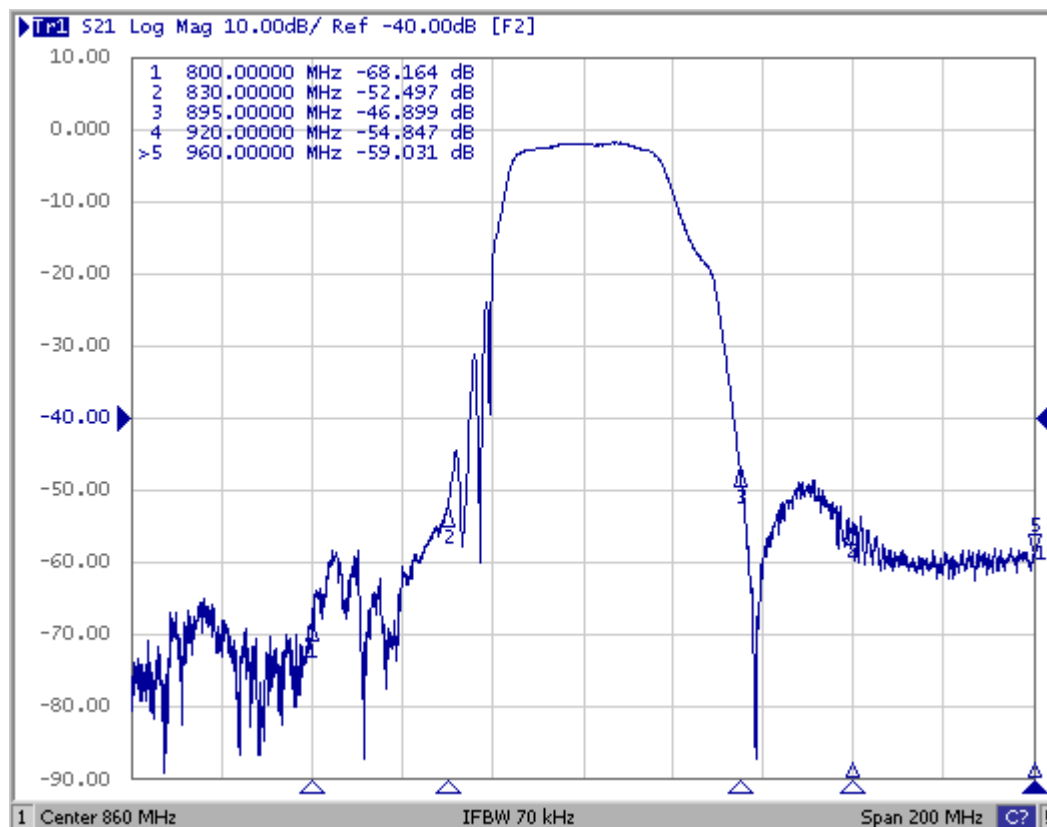


D. Frequency Characteristics :

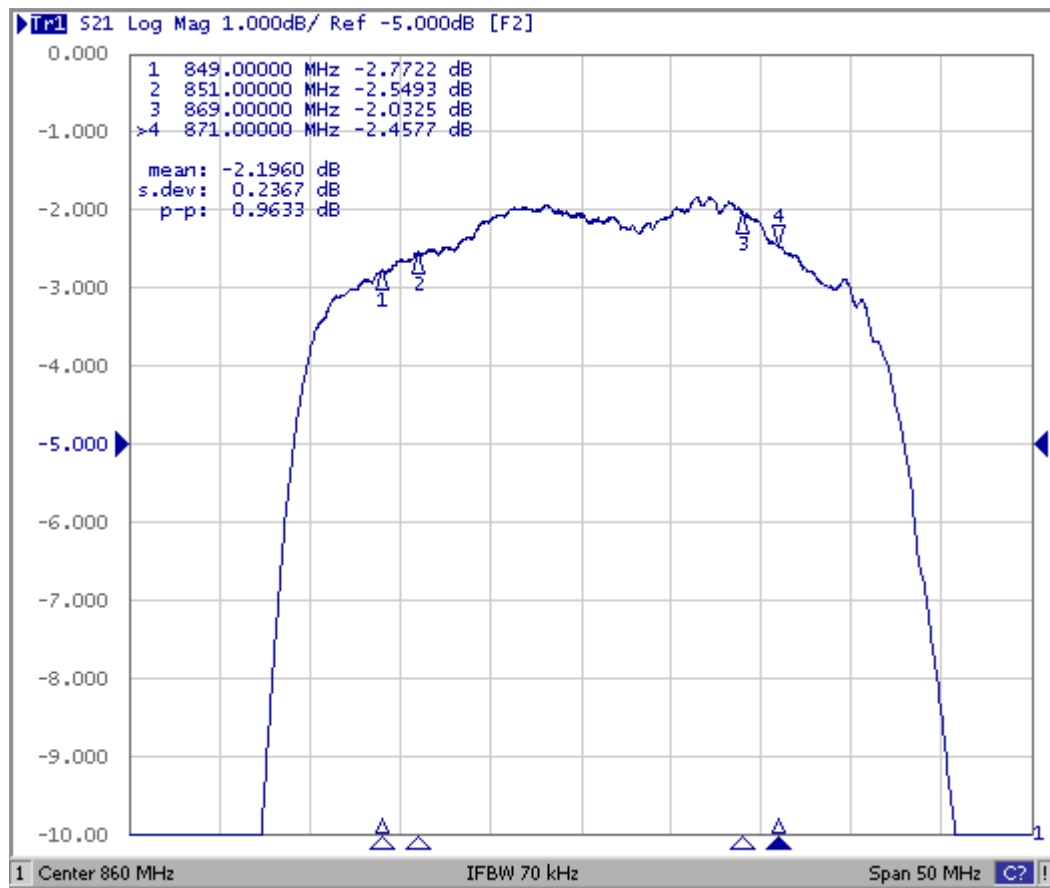
(1) wide band Response: (span 1.3GHz)



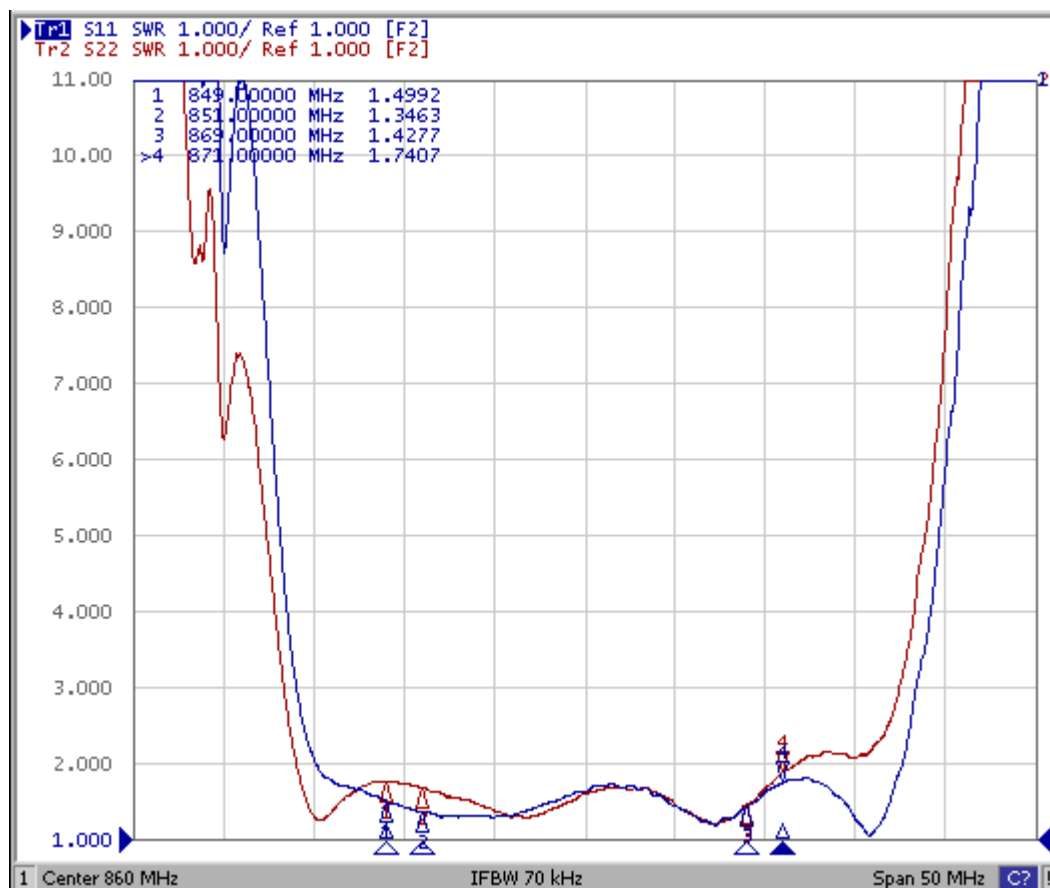
(2) Pass band Response:(span 200MHz)



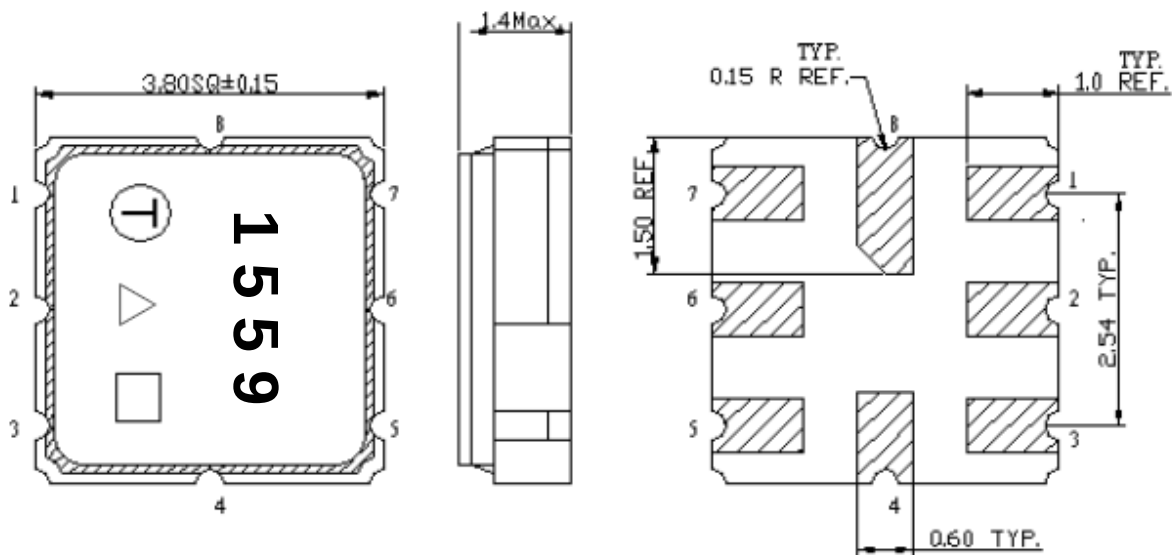
(3) Pass band Response:(span 50MHz)



(4) S11 & S22 VSWR Response:(span 50MHz)



E. OUTLINE DRAWING:



2 : Input

6 : Output

1, 3, 4, 5, 7, 8 : Ground

△ : Year Code

□ : Date Code

Unit: mm

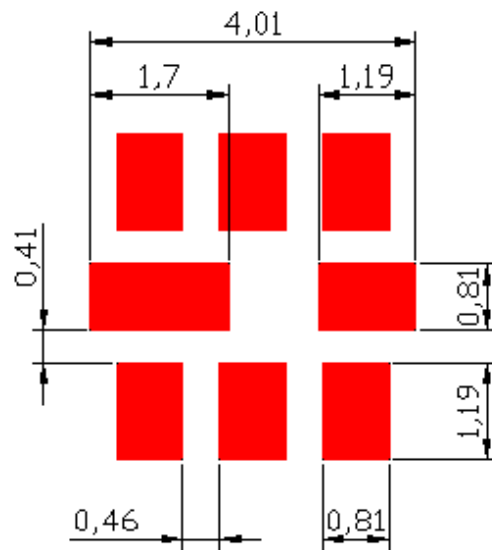
△ Product Year Code

Year	2011	2012
	2013	2014
	2015	2016
	2017	2018
Product Code	A	a

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

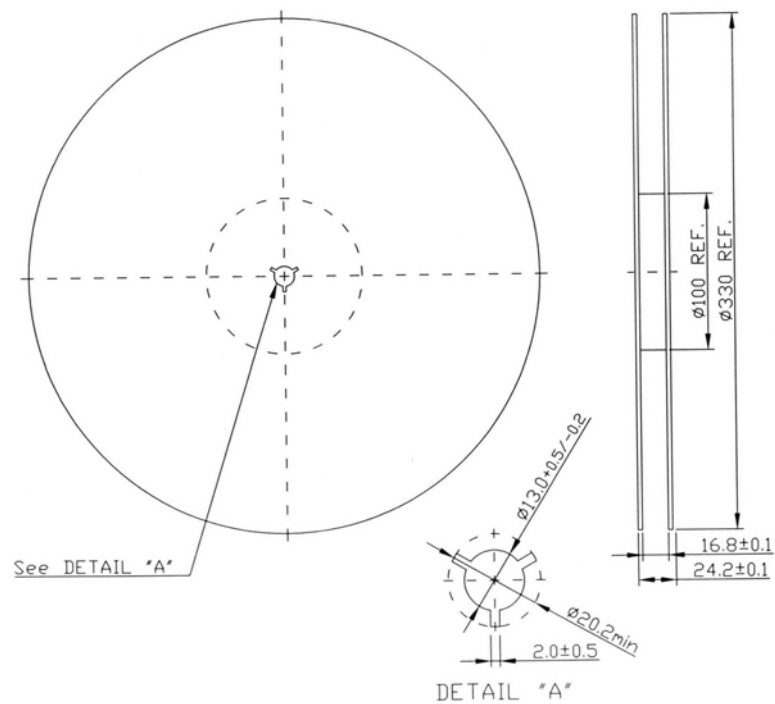
F. PCB FootPrint



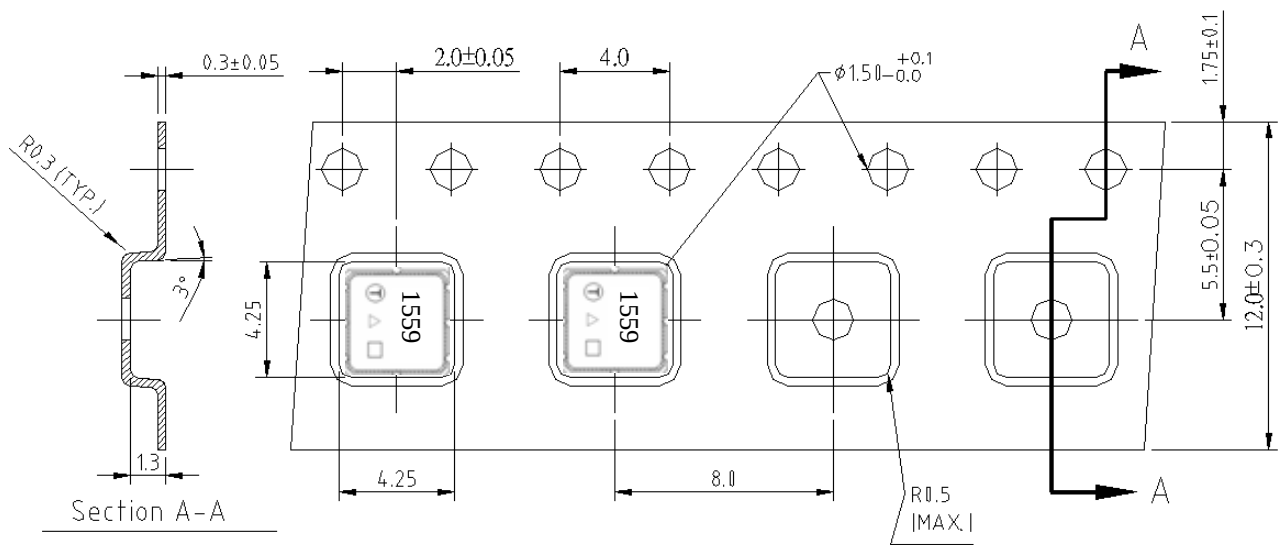
G. PACKING:

1. REEL DIMENSION

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



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

