



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
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Product Specifications Approval Sheet

Product Description: SAW Filter 441 MHz SMD 5.0x5.0 mm

TST Part No.: TA1084A

Customer Part No.: _____

Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ David Chang 

Approved by: _____ Andy Yu 

Date: _____ 2017/07/04

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 441 MHz

MODEL NO.: TA1084A

REV. NO.:2

A. MAXIMUM RATING:

1. Input Power Level: 10 dB_m
2. DC voltage: 3 V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -55°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

Reference temperature: 25°C

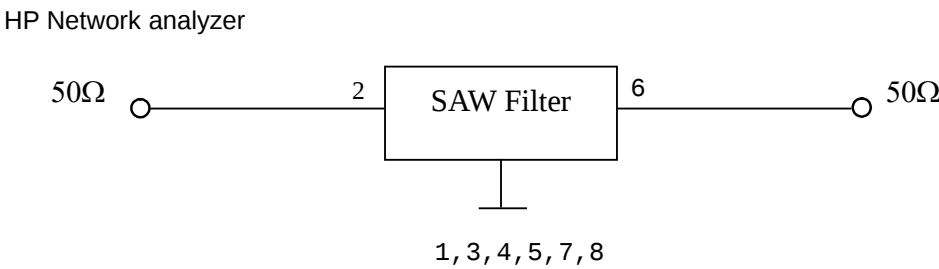
Item	Unit	Min.	Type.	Max.
Center frequency F _c	MHz	-	441	-
Insertion Loss IL _{min} (reference level)	dB	-	1.5	2.8
2dB Bandwidth BW _{-2dB}	MHz	15	22.3	-
Insertion Loss (433.5~448.5 MHz) IL	dB	-	2.4	3.5
Absolute Attenuation:(Reference level from 0dB)				
F _c -45 to F _c -100 MHz	dB	40	56	-
F _c +45 to F _c +55 MHz	dB	30	56	-
F _c +55 to F _c +100 MHz	dB	40	54	-
Temperature coefficient of frequency	ppm/k	-	-36	-
Source impedance Z _s	Ω	-	50	-
Load impedance Z _L	Ω	-	50	-

Note: IL_{min} is the minimum of the pass band attenuation. The center frequency F_c is the mean value of the upper and lower frequencies at the 2dB filter attenuation level relative to the IL_{min}.

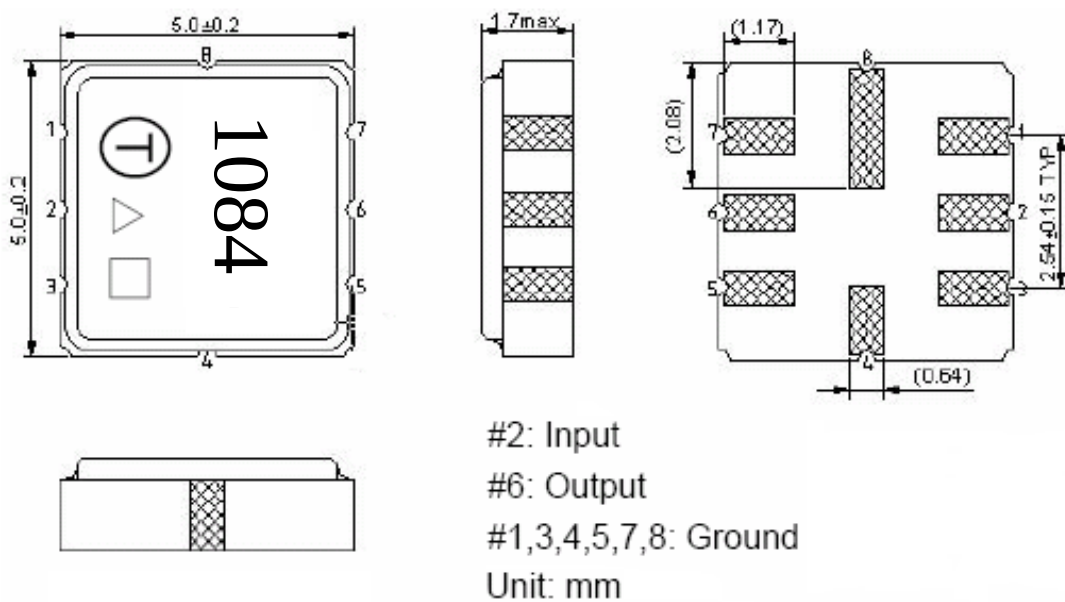
C. Frequency Characteristics :



D. MEASUREMENT CIRCUIT:



E.OUTLINE DRAWING:



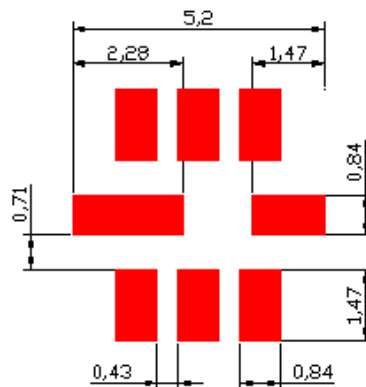
☐ Data code : See the table

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

☐ Year code : See the table

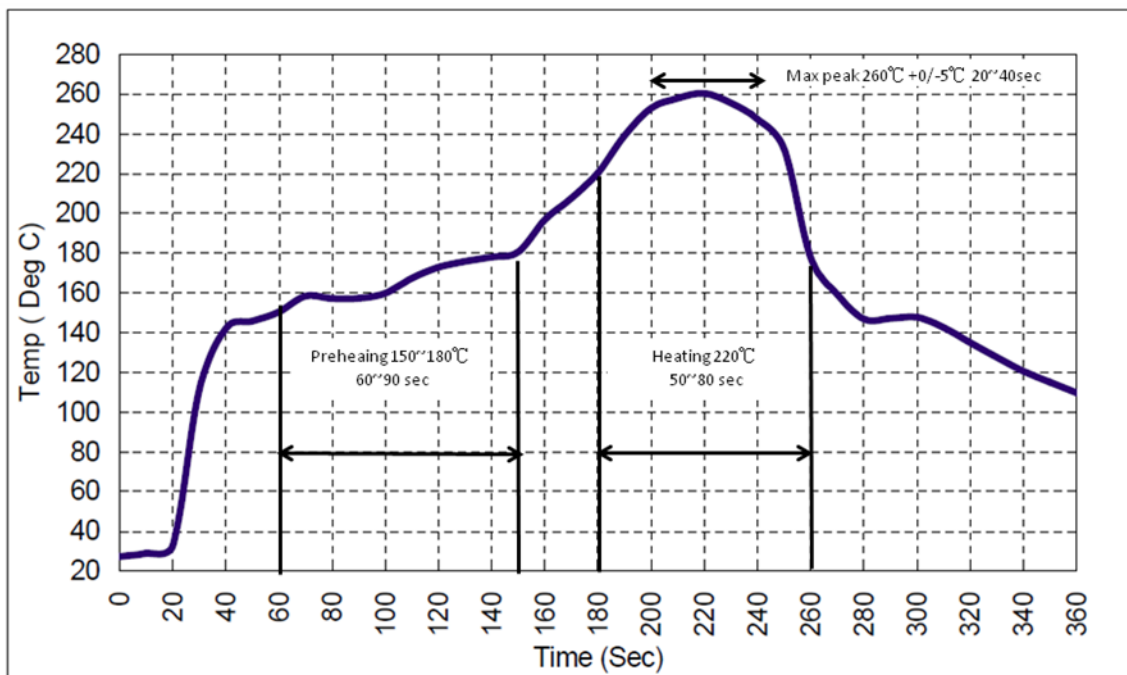
Year	2005	2006	2007	2008
	2009	2010	2011	2012
Code	A	a	<u>A</u>	<u>a</u>

F. PCB FOOTPRINT:



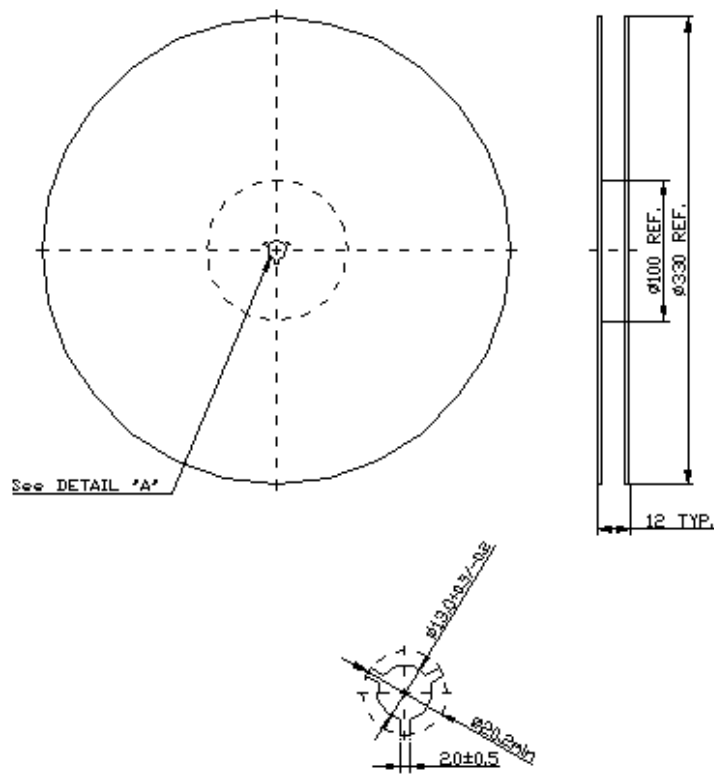
G. RECOMMENDED REFLOW PROFILE :

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.



H. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

