



TAI-SAW TECHNOLOGY CO., LTD.

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

Issued Date:

Product Name: SAW Filter 440MHz SMD 5.0x5.0mm

TST Parts No.:TA0411A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Anne Chen

Approval by:_____ Andy Yu

Date:_____ 2017/07/04



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SAW Filter 440 MHz

MODEL NO.: TA0411A

REV. NO.:3

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: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

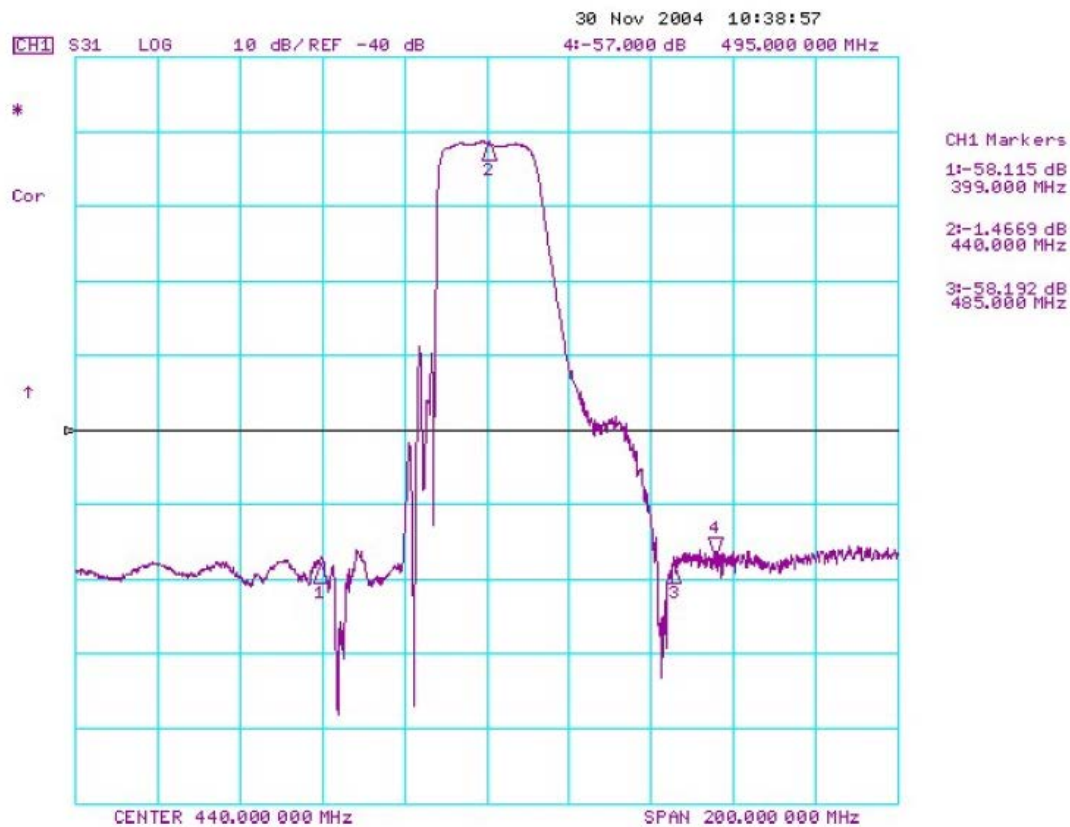
B. ELECTRICAL CHARACTERISTICS:

Reference temperature: 25°C

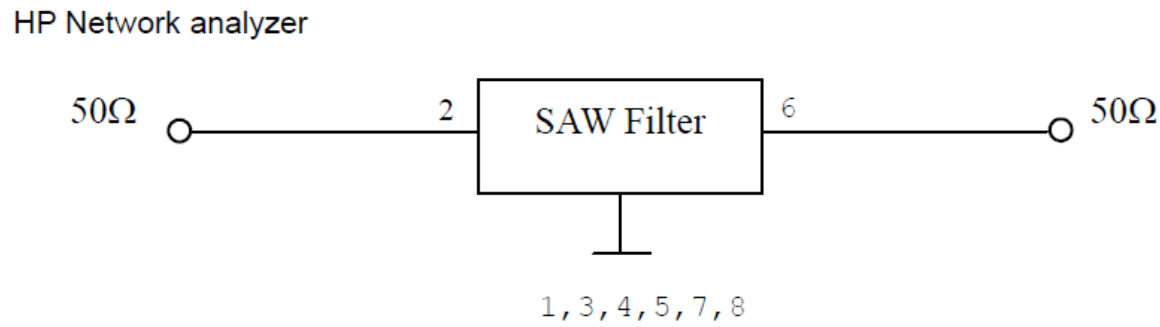
Item	Unit	Min.	Type.	Max.
Center frequency F _c	MHz	-	440	-
Insertion Loss IL _{min} (reference level)	dB	-	1.4	2.8
3dB Bandwidth BW _{-3dB}	MHz	19	23.3	-
Absolute Attenuation:(Reference level from 0dB)				
F _c -45 to F _c -100 MHz	dB	40	57	-
F _c +45 to F _c +55 MHz	dB	30	56	-
F _c +55 to F _c +100 MHz	dB	40	56	-
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 3dB filter attenuation level relative to the IL_{min}.

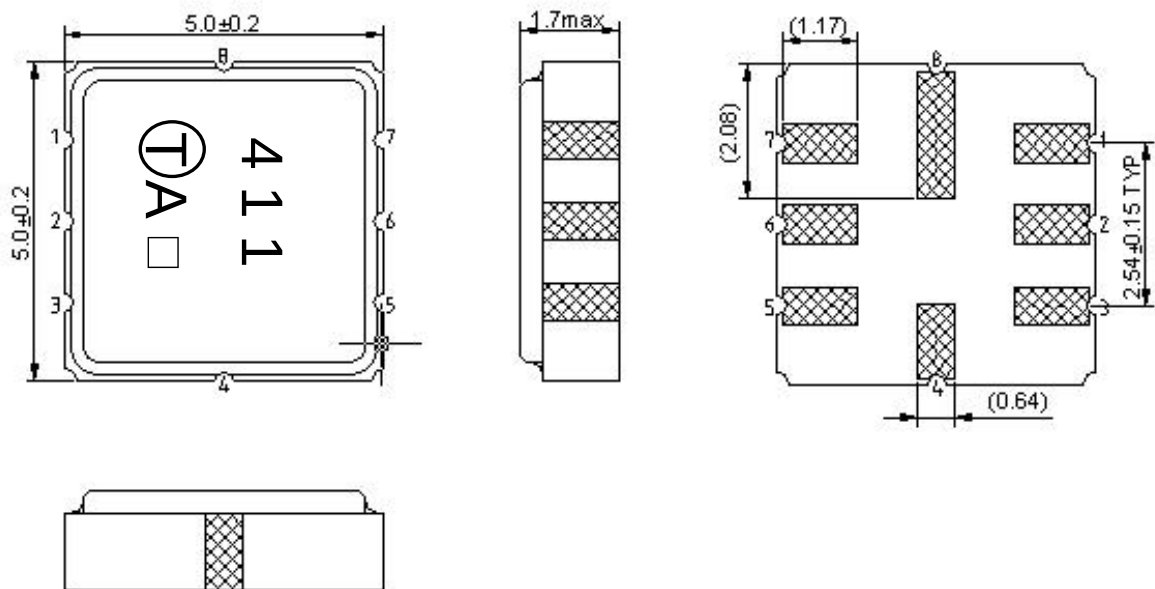
C. Frequency Characteristics :



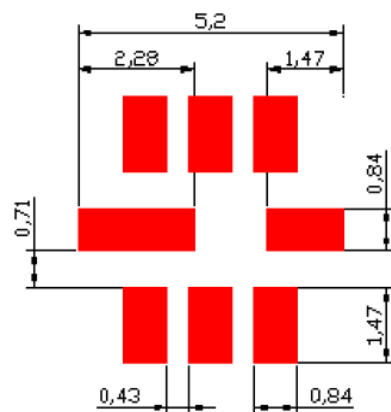
D. MEASUREMENT CIRCUIT:



E.OUTLINE DRAWING:

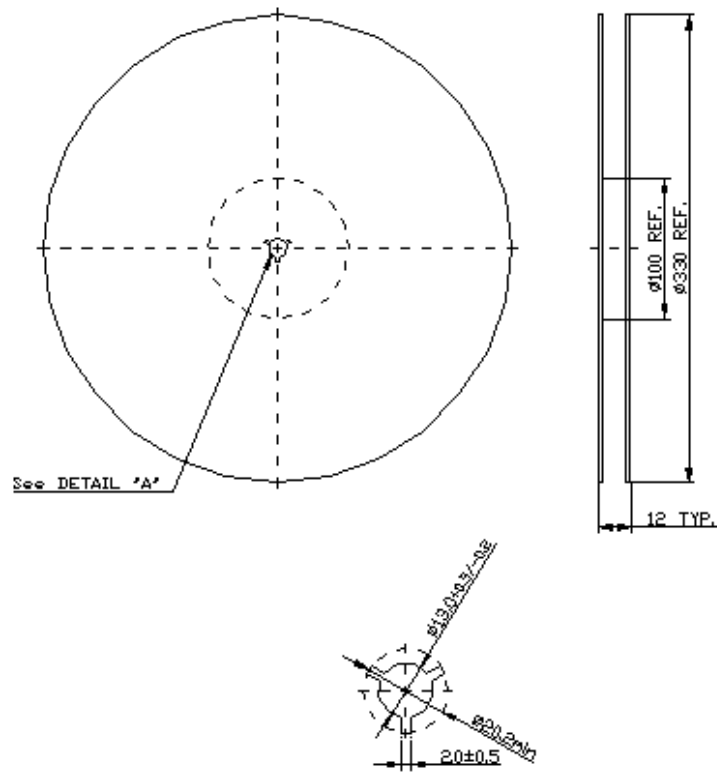


F. PCB FOOTPRINT:

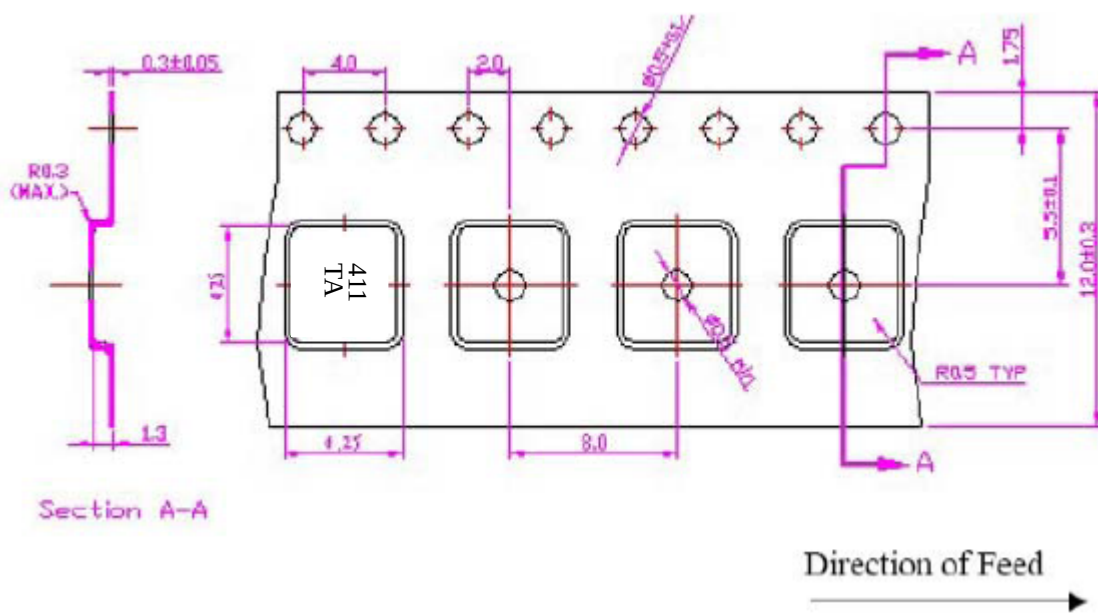


G. PACKING:

1. REEL DIMENSION

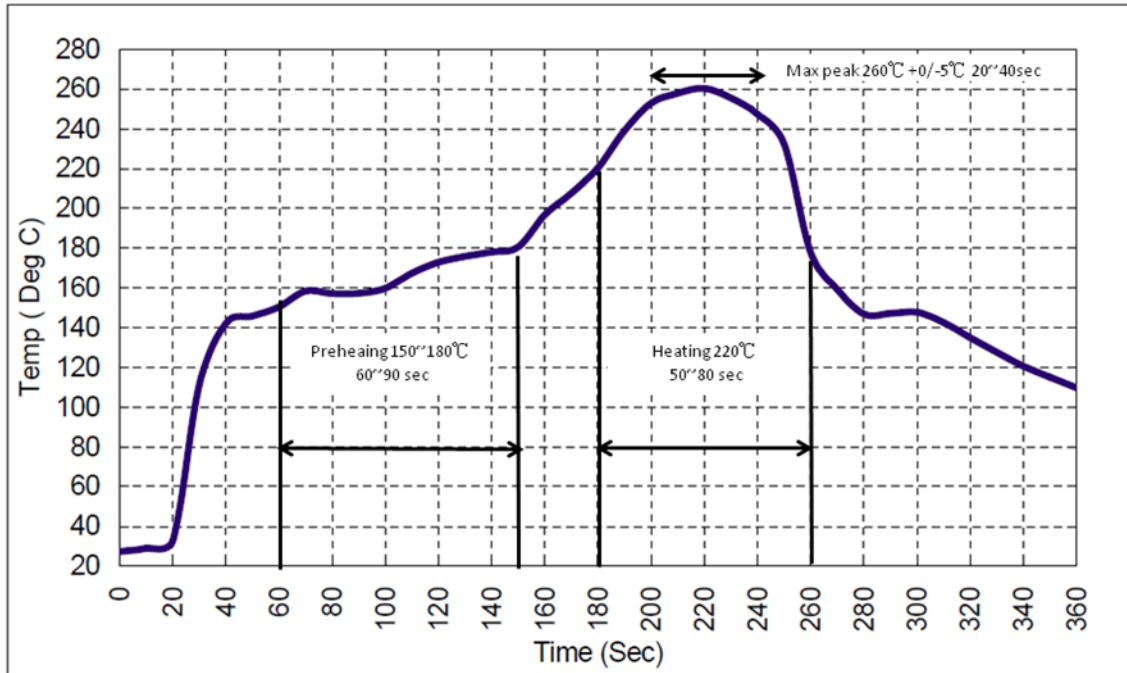


2. TAPE DIMENSION



H. 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.



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