TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.
TEL: 886-3-4690038 FAX: 886-3-4697532
E-mail: tstsales@mail.taisaw.com Web: www.taisaw.com

Approval Sheet For Product Specification

Issued Date:

Product Name: SAW Filter 440MHz SMD 5.0×5.0mm

TST Parts No.:TA0411A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____Anne Chen_____

Approval by:_____Andy Yu_____

Date:_____2017/07/04_____

TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.
TEL: 886-3-4690038 FAX: 886-3-4697532
E-mail: tstsales@mail.taisaw.com Web: www.taisaw.com

SAW Filter 440 MHz

MODEL NO.: TA0411A REV. NO.:3

A. MAXIMUM RATING:

RoHS Compliant
Lead free
Lead-free soldering

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

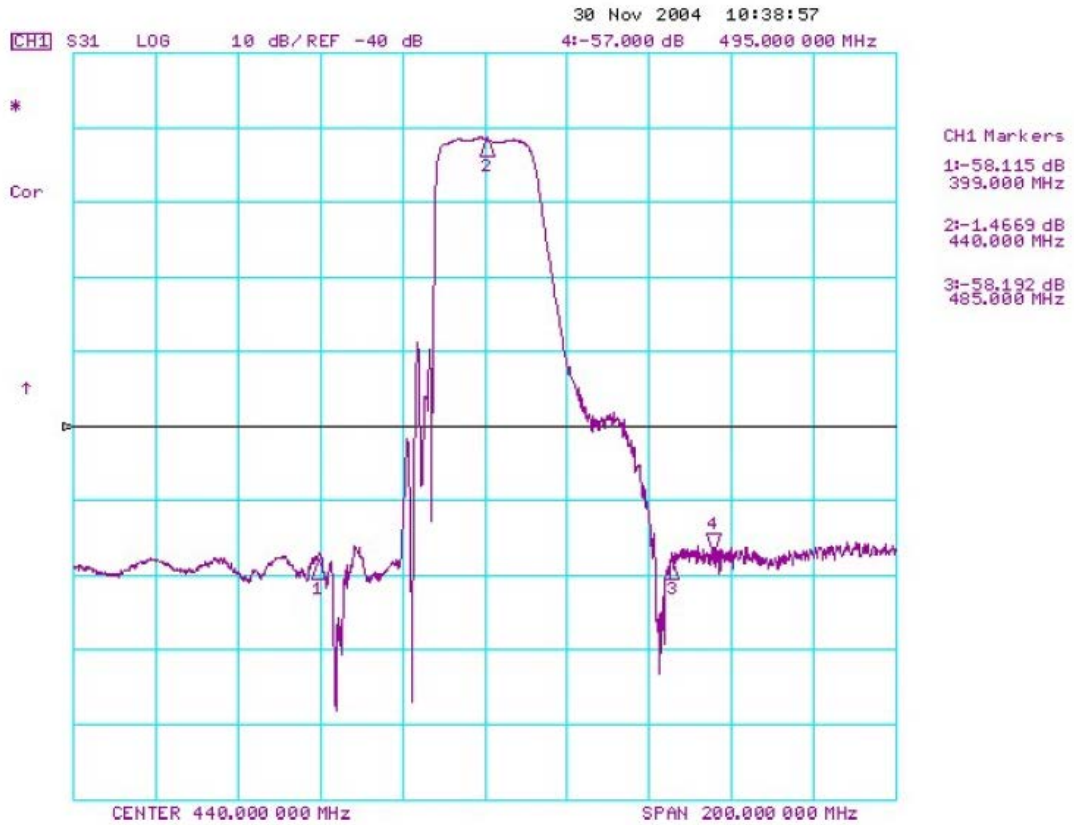
B. ELECTRICAL CHARACTERISTICS:

Reference temperature: 25°C

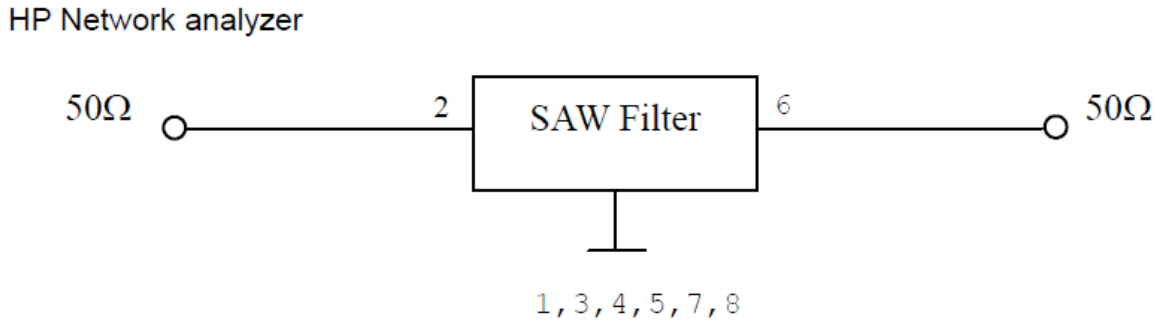
Item		Unit	Min.	Type.	Max.
Center frequency	Fc	MHz	-	440	-
Insertion Loss	IL_{min} (reference level)	dB	-	1.4	2.8
3dB Bandwidth	BW_{-3dB}	MHz	19	23.3	-
Absolute Attenuation:(Reference level from 0dB)					
F_c -45 to F_c -100	MHz	dB	40	57	-
F_c +45 to F_c +55	MHz	dB	30	56	-
F_c +55 to F_c +100	MHz	dB	40	56	
Temperature coefficient of frequency		ppm/k	-	-36	-
Source impedance	Zs	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}.

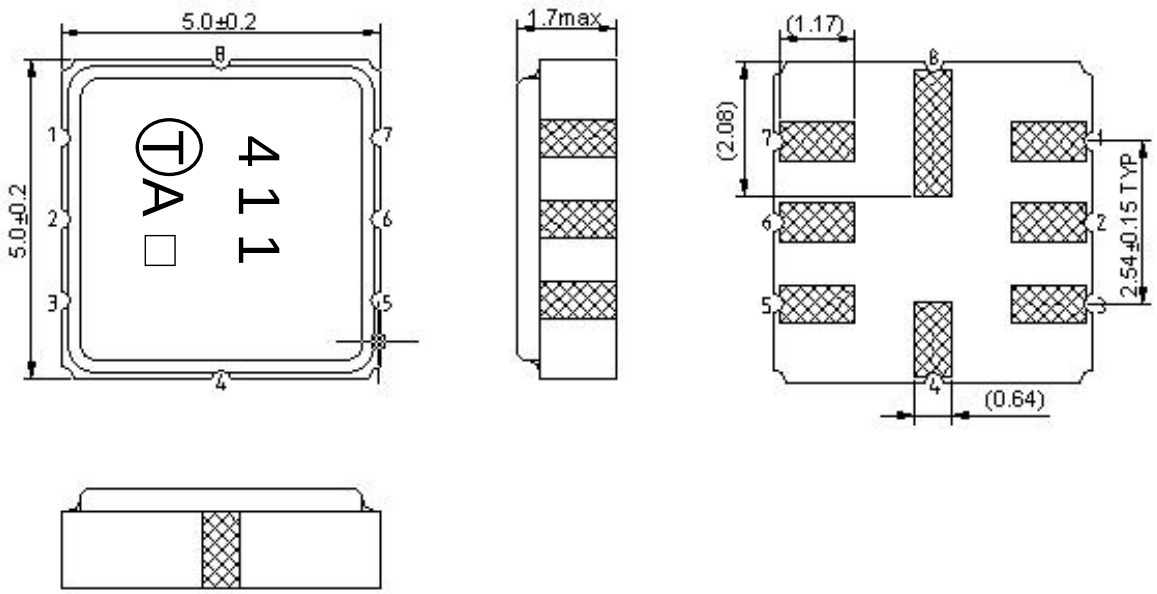
C. Frequency Characteristics :



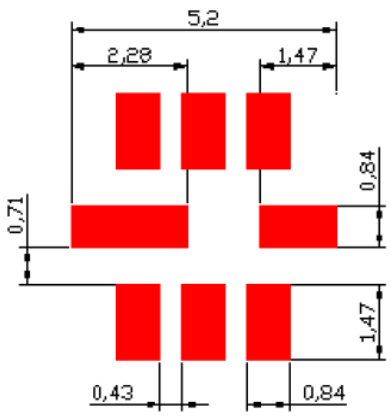
D. MEASUREMENT CIRCUIT:



E.OUTLINE DRAWING:

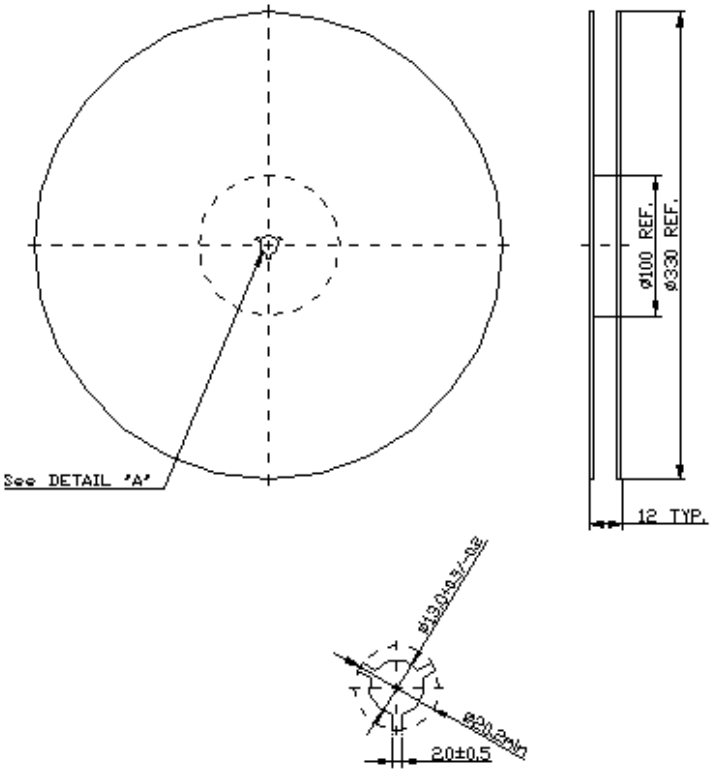


F. PCB FOOTPRINT:

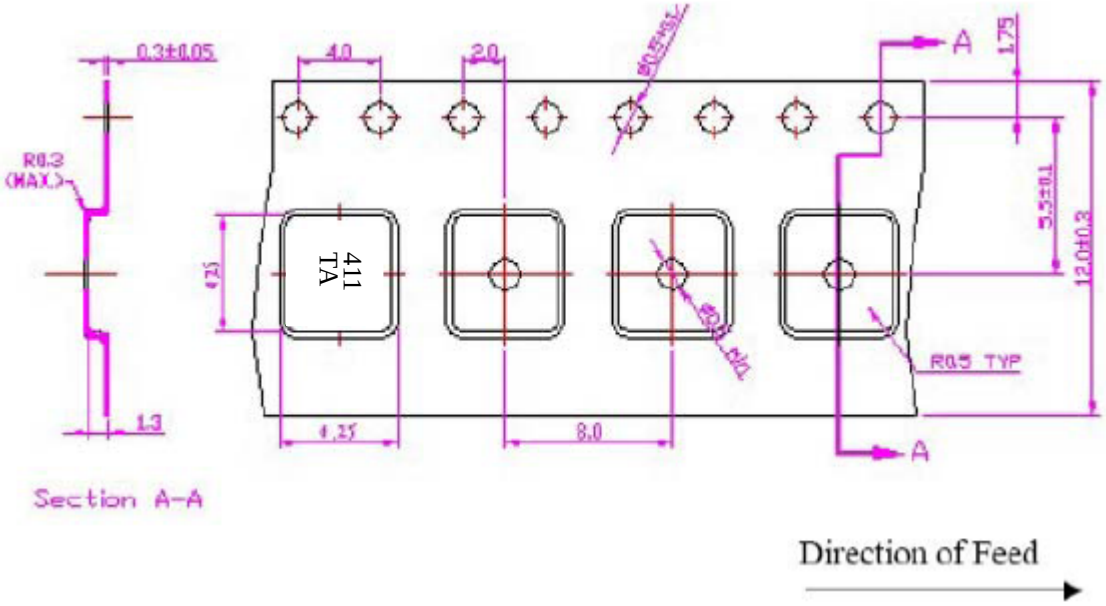


G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

1. Preheating shall be fixed at 150~180℃ for 60~90 seconds.
2. Ascending time to preheating temperature 150℃ shall be 30 seconds min.
3. Heating shall be fixed at 220℃ for 50~80 seconds and at 260℃+0/-5℃ peak (20~40sec).
4. Time: 2 times.