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

Product Specifications Approval Sheet

Product Description: SAW Filter 403.5 MHz SMD 3.8x3.8 mm

TST Part No.: TA0520A

Customer Part No.:_____

Customer signature required

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by: David Chang 張閔智

Approved by: Francis Chen

Date: 2009/07/01

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 403.5 MHz

MODEL NO.: TA0520A REV. NO.:1

RoHS Compliant
Lead free
Lead-free soldering

A. MAXIMUM RATING:

1.Input Power Level: 15 dB_m

2.DC voltage: 3 V

3.Operating Temperature: -10°C to 60°C

4.Storage Temperature: -40°C to +85°C

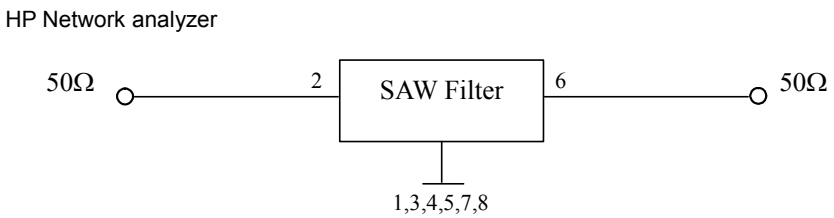
B. ELECTRICAL CHARACTERISTICS:

Item		Min.	Typical	Max.
Center frequency Fc	MH	-	403.5	-
Minimum Insertion loss 402 ~ 405 MHz IL_{min}	dB	-	1.6	2.5
Passband Ripple 402 ~ 405 MHz		-	0.5	1.25
3dB Bandwidth BW_{-3dB}	MHz	3	7.5	-
Attenuation (Reference level from IL_{min} dB)				
358.5 MHz	dB	40	65	-
358.5~384.0 MHz	dB	35	50	-
415.0~423.0 MHz	dB	25	35	-
423.0~503.0 MHz	dB	40	51	-
Temperature coefficient of frequency	ppm/k		-37	
Source impedance Zs	Ω	-	50	-
Load impedance Z_L	Ω	-	50	-

Note1: 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}.

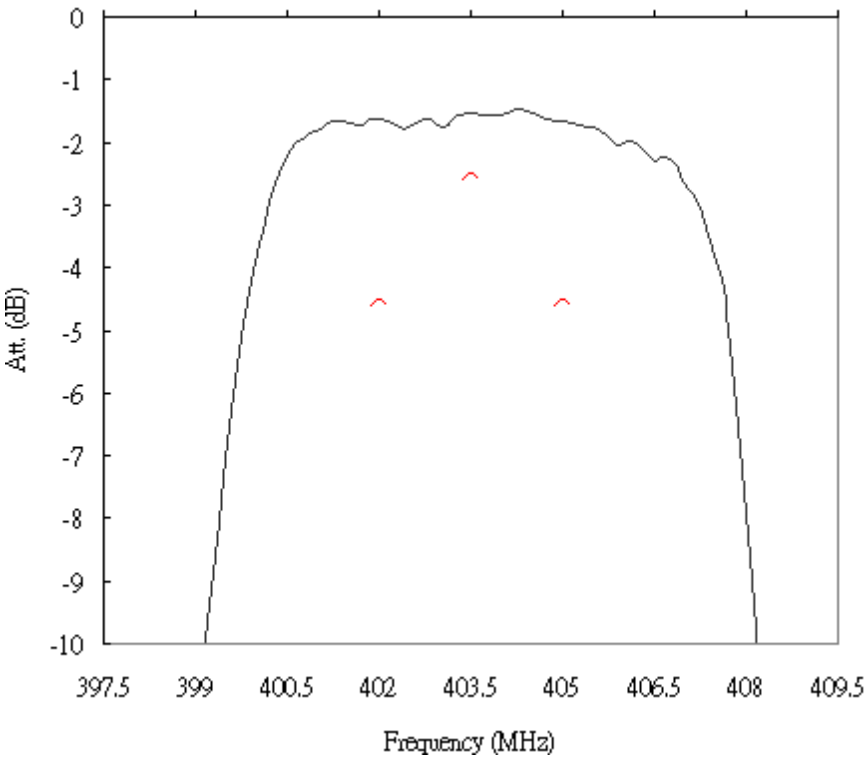
Note2: The room temperature, Tr, is 25° C. FTC is temperature coefficient of frequency. The nominal frequency at temperature, Tc, may be calculated from f= F_c [1-FTC(Tr-Tc)].

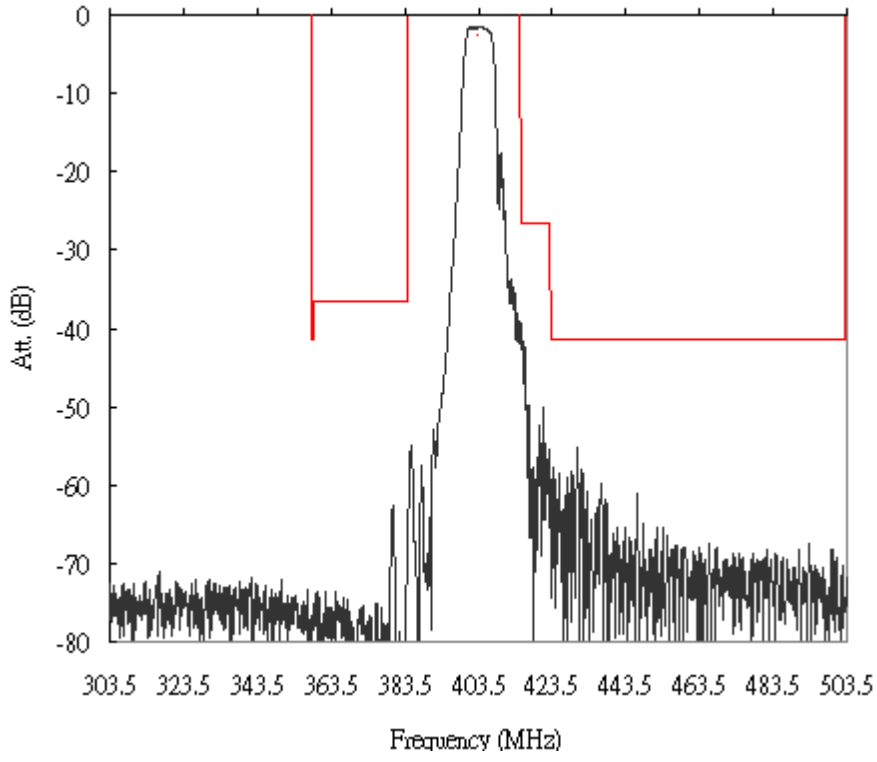
C. MEASUREMENT CIRCUIT:



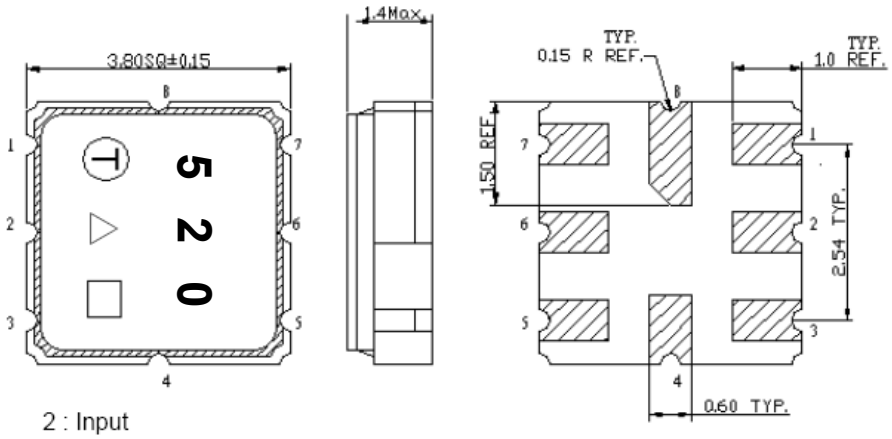
D. FREQUENCY CHARACTERISTICS:

Transfer Function





E.OUTLINE DRAWING:

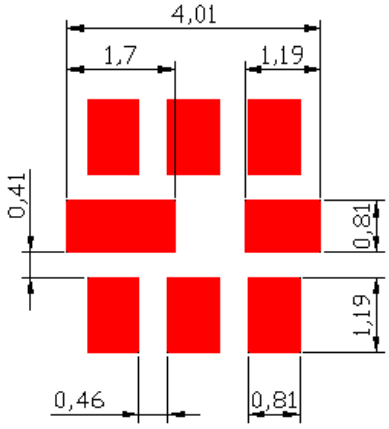


2 : Input
6: Output
1,3,4,5,7,8: Ground
△ : Year Code
□ : Date Code (W01->A, W02->B,...,W52->z)

△ Product Year Code

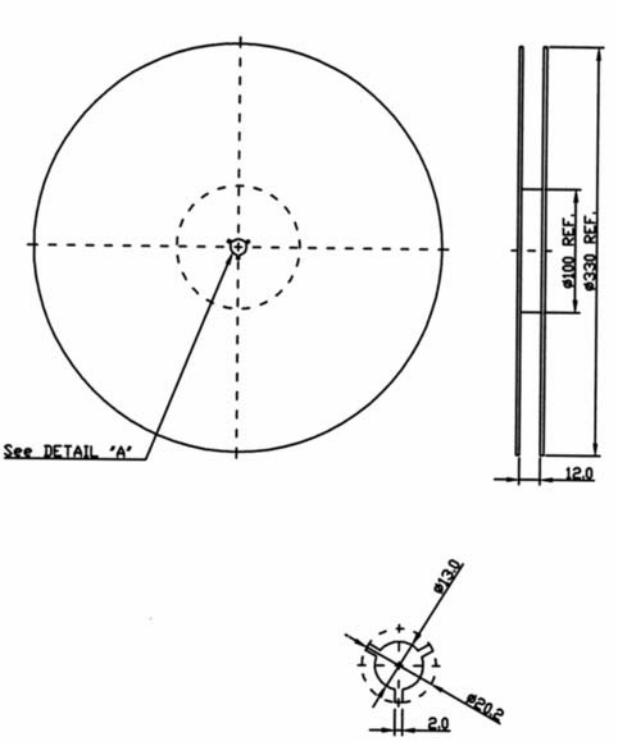
Year	2007 2009 2011	2008 2010 2012
Product Code	A	a

F.PCB FOOTPRINT:

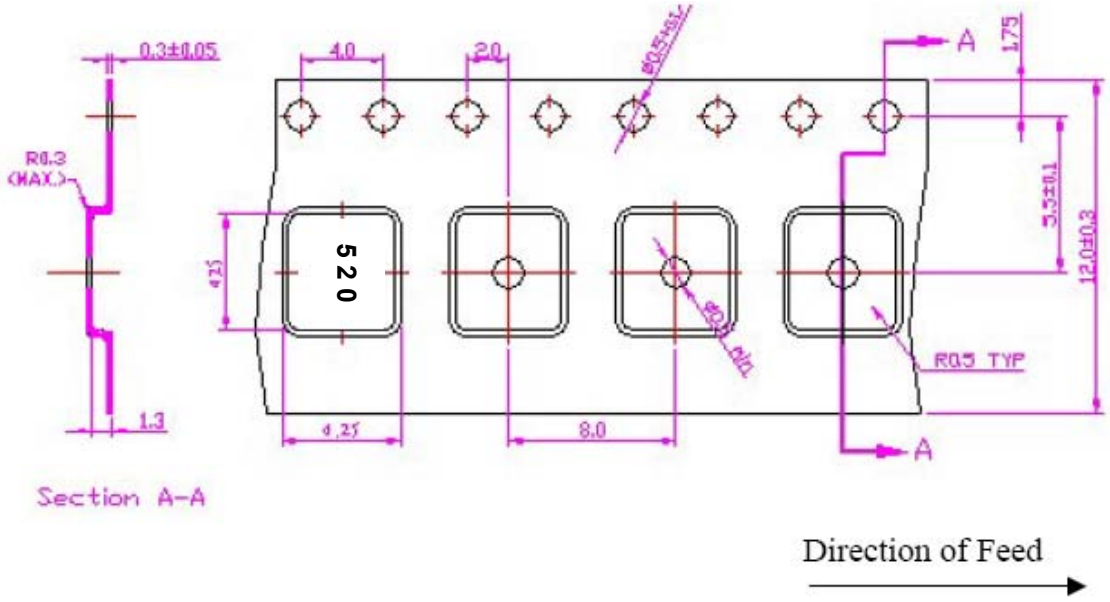


G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



H.RECOMMENDED REFLOW PROFILE: