



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 868.95MHz SMD3.8X3.8mm

TST Parts No.: TA0595A

Customer Parts No.: _____

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Asin Lin

Approval by: _____ Francis Chen

Date: _____ 2006/8/11



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 868.95 MHz

MODEL NO.: TA0595A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 0 dBm
2. DC voltage: 0 V
3. Operating Temperature: -45°C to +90°C
4. Storage Temperature: -45°C to +90°C

RoHS Compliant
Lead free
Lead-free soldering

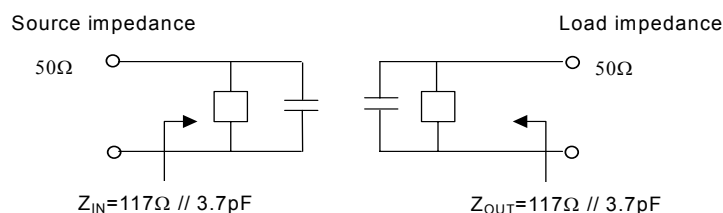
B. ELECTRICAL CHARACTERISTICS:

Reference temperature: -45°C to +90°C

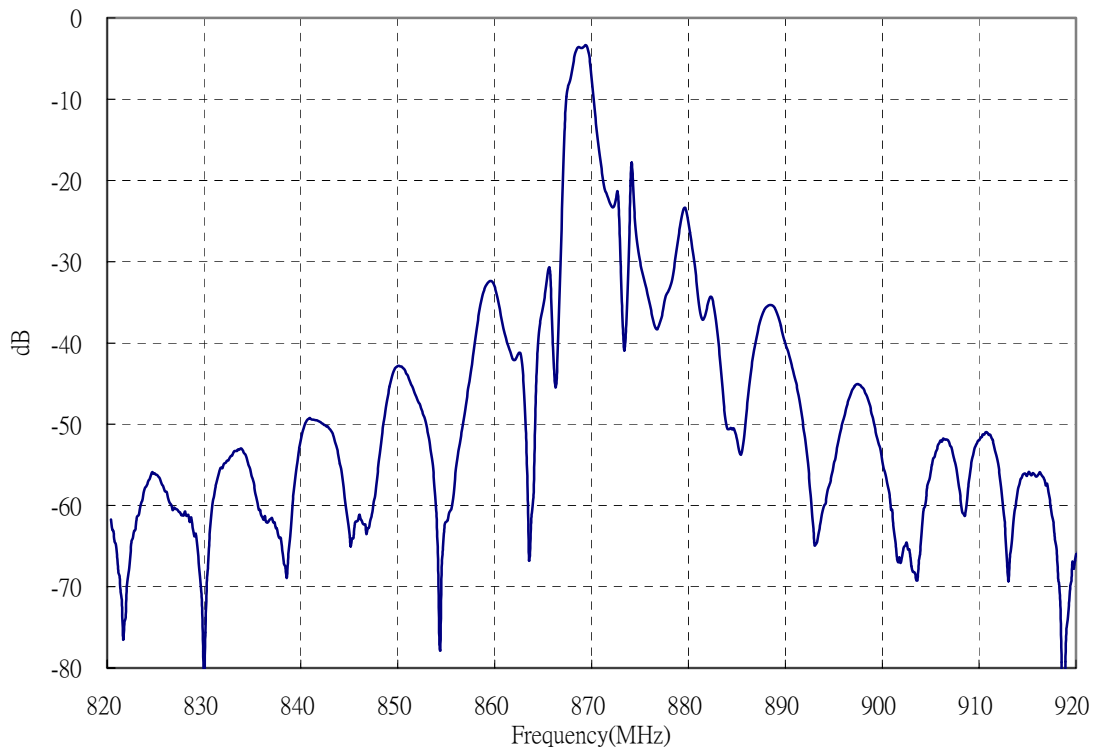
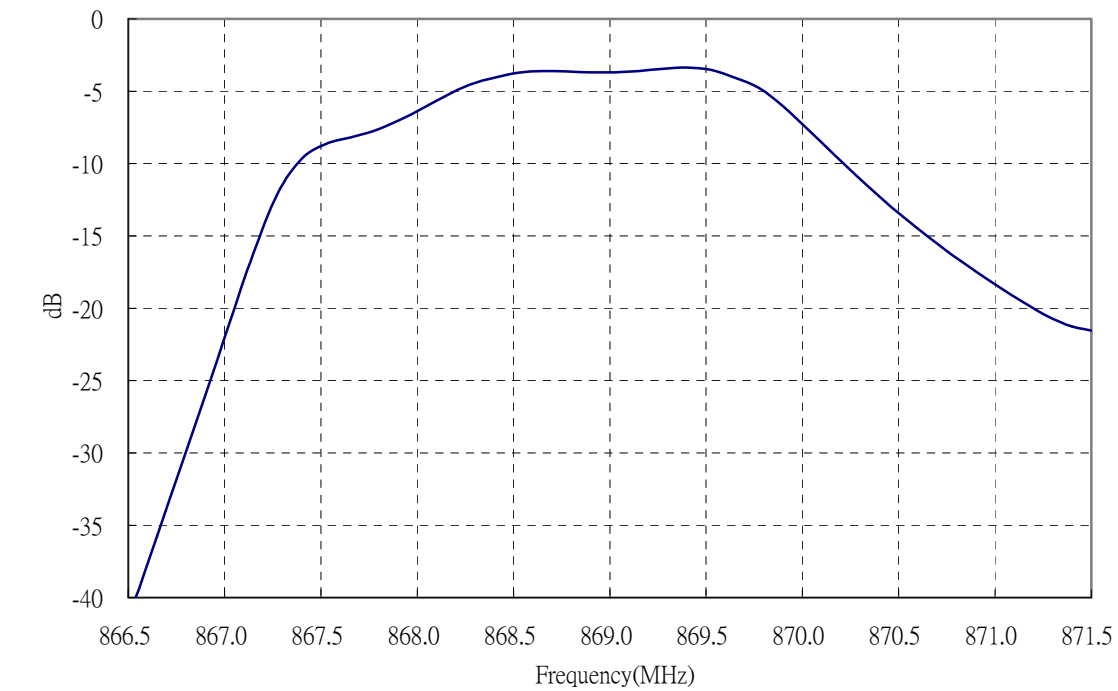
Item	Min.	Typ.	Max.	Note
Center frequency F_C (MHz)	-	868.95	-	1
Minimum I.L. (868.7~869.2 MHz) (dB) IL_{min}	-	3.5	4.7	
Pass band (relative to IL_{min})				
868.7~869.2 MHz (dB)	-	1.0	3.0	1
868.6~869.3 MHz (dB)	-	1.5	6.0	
Pass bandwidth (relative to IL_{min}) BW_3 (KHz)	-	1850	-	
Attenuation:(relative to IL_{min}) (dB)				
10~700 MHz (dB)	45	50	-	1
700~830 MHz (dB)	40	45	-	
830~850.6 MHz (dB)	35	30	-	
850.6~865.62 MHz (dB)	20	25	-	
871.6~875.1 MHz (dB)	8	13	-	
875.1~884.0 MHz (dB)	13	19	-	
884.0~900 MHz (dB)	30	33	-	
900~1000 MHz (dB)	45	50	-	
Impedance at F_C ; Input $Z_{IN}=R_{IN}/C_{IN}$ Output $Z_{OUT}=R_{OUT}/C_{OUT}$	117Ω // 3.7 pF 117Ω // 3.7 pF			2

Note1. The standard definitions is in JIS C 6703

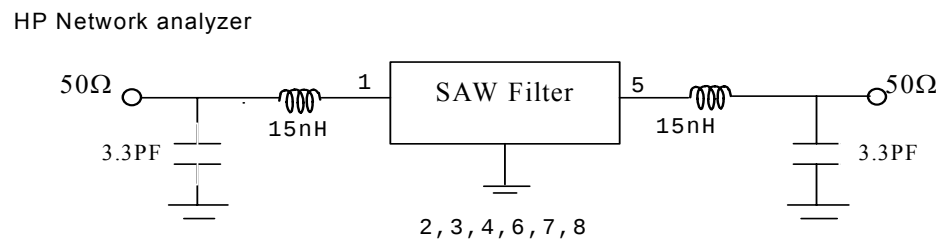
Note2.



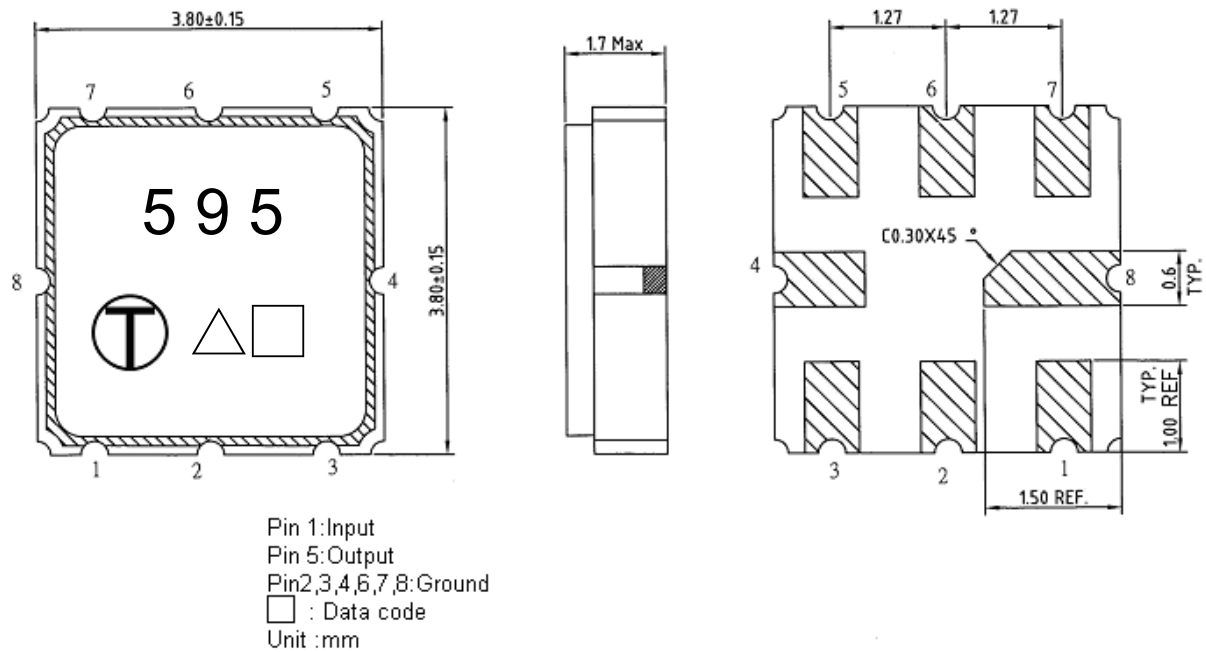
C.FREQUENCY CHARACTERISTICS:



D. MEASUREMENT CIRCUIT:



E. OUTLINE DRAWING:



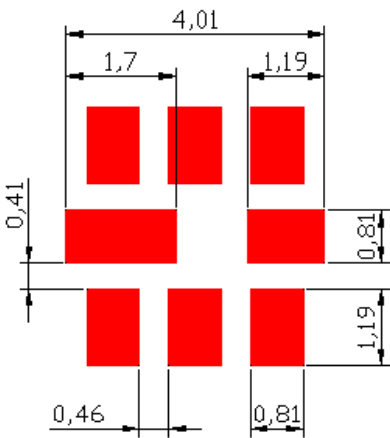
Pin 1: Input
Pin 5: Output
Pin 2, 3, 4, 6, 7, 8: Ground
□ : Data code
Unit : mm

□ Date code: Provided by planer each year

△ Product Year Code

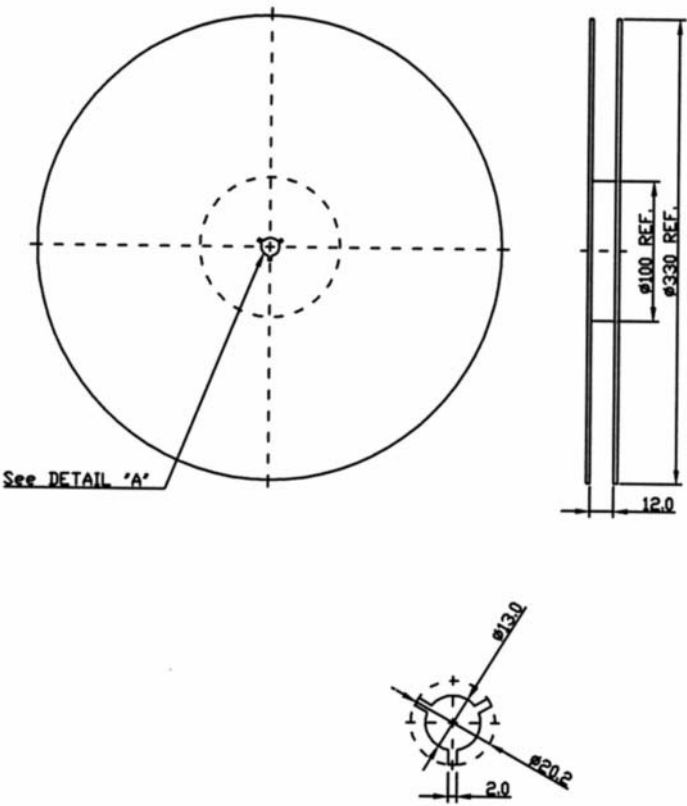
Year	2005 2007	2006 2008
Product Code	A	a

F. PCB FOOTPRINT

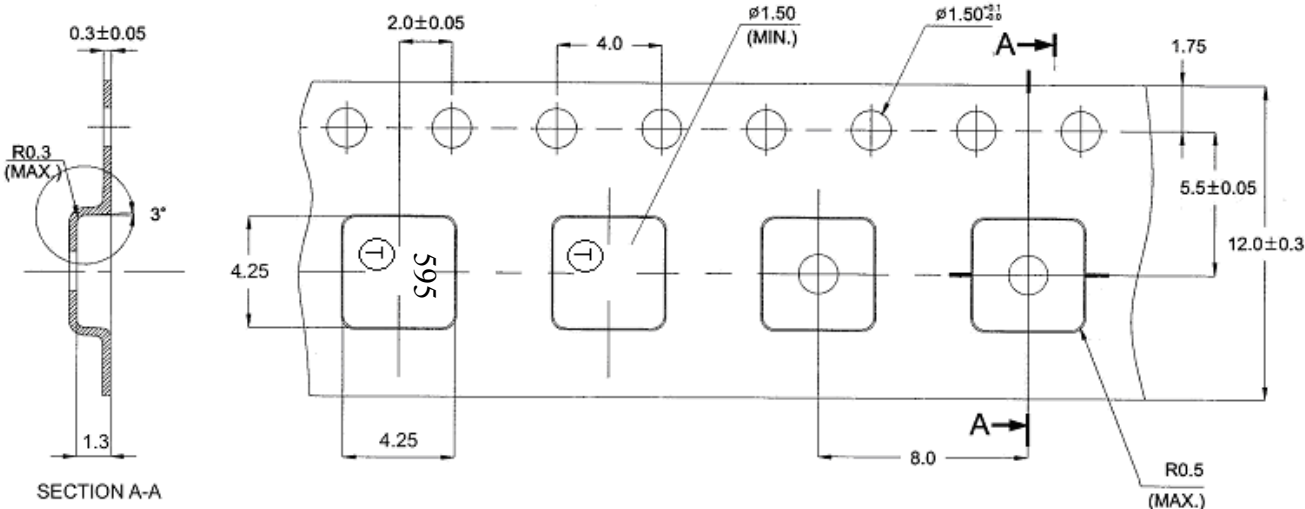


G. PACKING:

1. REEL DIMENSION



2.TAPE DIMENSION



H. REFLOW PROFILE

