



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.

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Approval Sheet For Product Specification

Issued Date:

Product Name: SAW Filter 868.30MHz SMD3.8X3.8mm

TST Parts No.: TA0828A

Customer Parts No.: _____

Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: _____ Asin Lin

Approval by: _____ Francis Chen

Date: _____ 2008/01/24



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SAW Filter 868.30 MHz

MODEL NO.: TA0828A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 17 dBm
2. DC voltage: 0 V
3. Operating Temperature: -45°C to +120°C
4. Storage Temperature: -45°C to +120°C

RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

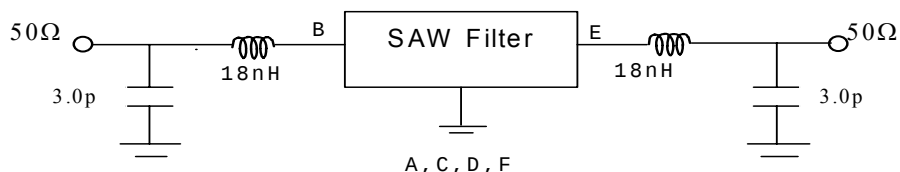
Reference temperature: 25°C

Item	Min.	Typ.	Max.	Note
Center frequency F_c (MHz)	-	868.30	-	1
Minimum I.L. (dB) IL	-	3.1	3.8	
Pass band (relative to IL_{min})				
868.1~868.5 MHz (dB)	-	0.6	2.0	1
868.0~868.6 MHz (dB)	-	0.9	3.0	
Pass bandwidth (relative to IL_{min}) BW_3 (KHz)	-	1300	-	
Attenuation:(relative to IL_{min}) (dB)				
10~830 MHz (dB)	40	45	-	1
830~850 MHz (dB)	35	40	-	
850~865.2 MHz (dB)	25	28	-	
871~874.5 MHz (dB)	15	24	-	
874.5~883 MHz (dB)	22	26	-	
883~900 MHz (dB)	30	35	-	
900~1000 MHz (dB)	40	45	-	
Impedance at F_c ; Input $Z_{IN}=R_{IN}/C_{IN}$ Output $Z_{OUT}=R_{OUT}/C_{OUT}$	210 Ω // 2.1 pF 210 Ω // 2.1 pF			

Note1. The standard definitions is in JIS C 6703

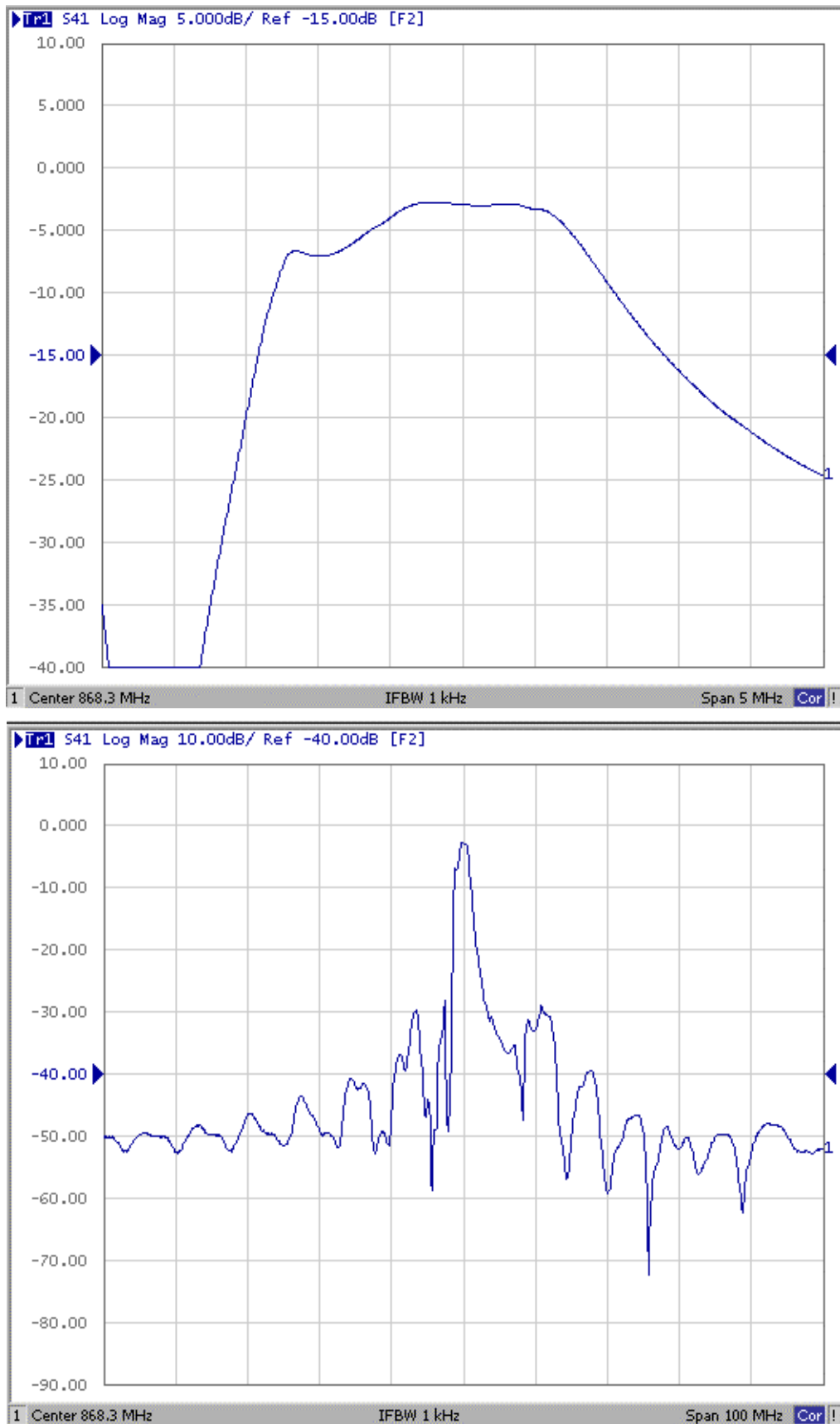
C. MEASUREMENT CIRCUIT:

HP Network analyzer

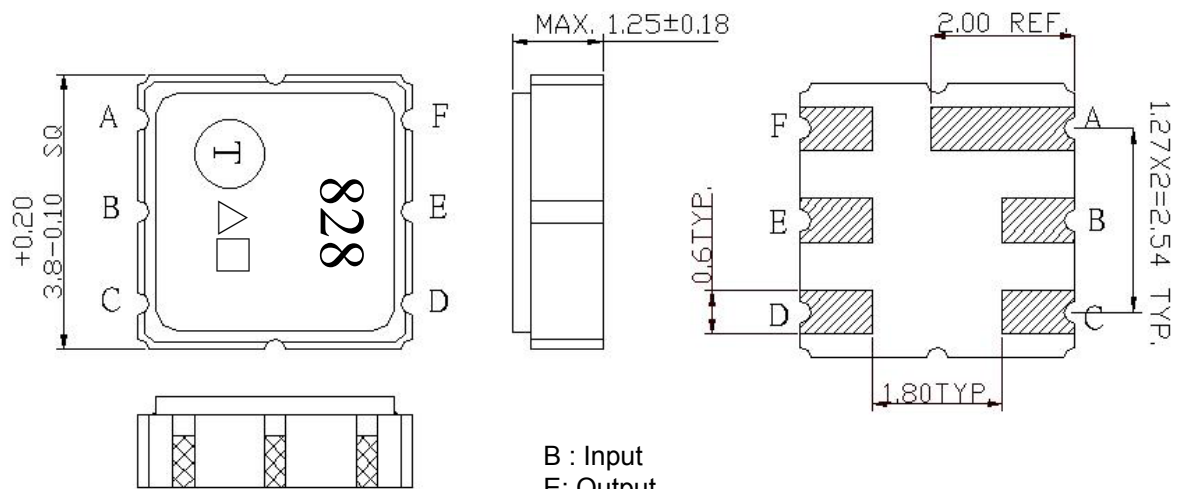


D. FREQUENCY CHARACTERISTICS:

The response included the loss of matching circuit.



E. OUTLINE DRAWING:



B : Input

E: Output

A,C,D,F Ground

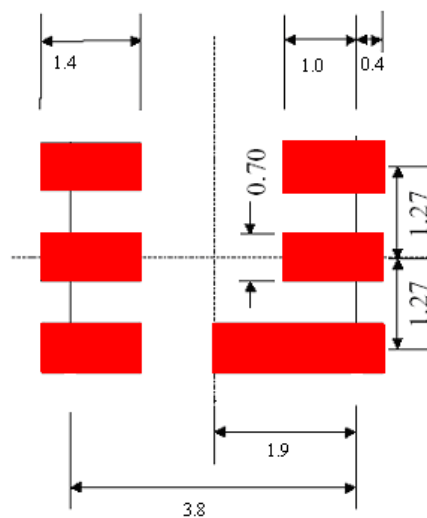
□: Date Code(Follow the table provided by planner each year.)

Unit: mm

△ Product Year Code

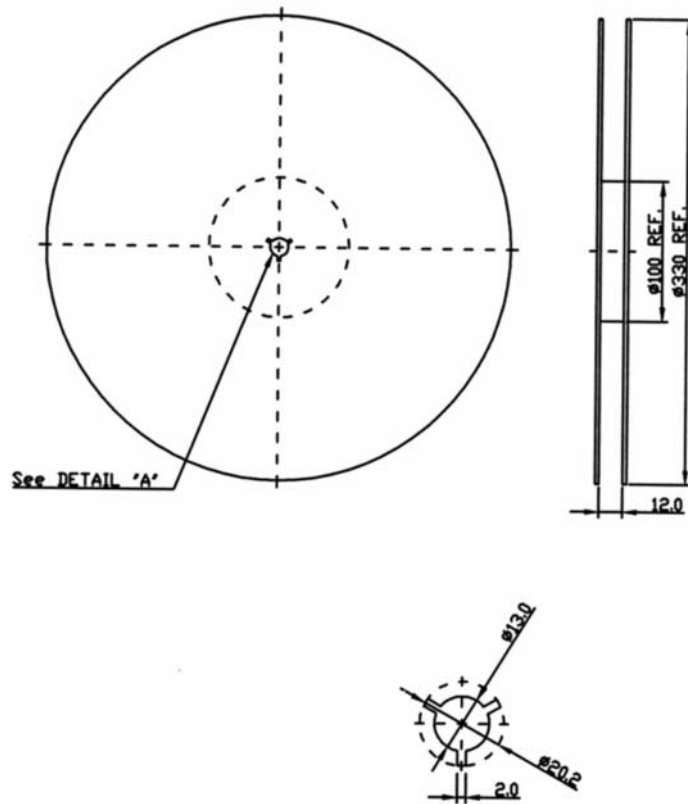
Year	2005	2006
	2007	2008
	2009	2010
	.	.
Product Code	A	a

F. PCB FOOTPRINT:

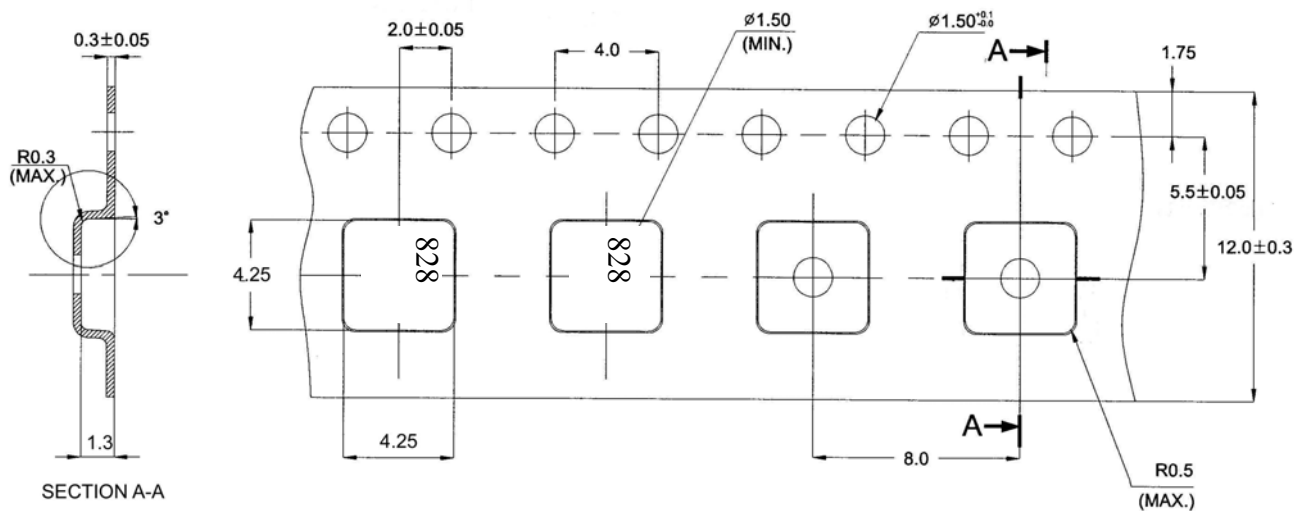


G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



G. REFLOW PROFILE:

