



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 869 MHz SMD 3.8x3.8 mm

TST Parts No.: TA1018A

Customer Parts No.: _____

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

Checked by: _____ David Chang 張閔智

Approval by: _____ Francis Chen 陳其仁

Date: _____ 2009/03/26



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SAW Filter 869 MHz

MODEL NO.: TA1018A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 10 dB_m
2. DC voltage: 5 V
3. Operating Temperature: -10°C to +60°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

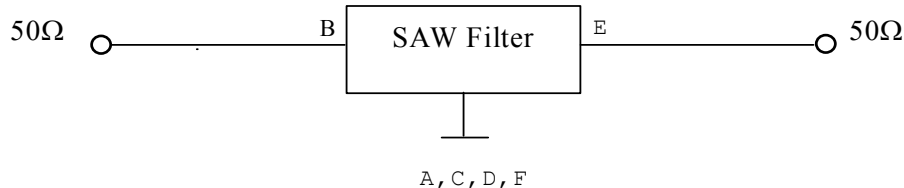
B. ELECTRICAL CHARACTERISTICS:

Item			Unit	Min.	Type.	Max.
Center frequency		Fc	MHz	-	869	-
Insertion Loss	868~870 MHz	IL	dB	-	2.4	3.0
Amplitude ripple	868~870 MHz		dB	-	0.9	1.0
VSWR	868 ~ 870 MHz		-	-	1.7	2.2
Attenuation:(Reference level from 0 dB)						
0.3 ~ 846.4 MHz			dB	40	48	-
846.4 ~ 853.5 MHz			dB	20	28	-
884 ~ 898 MHz			dB	20	25	-
898 ~ 1200 MHz			dB	40	50	-
1200 ~ 2000 MHz			dB	40	44	-
Source impedance		Zs	Ω	-	50	-
Load impedance		ZL	Ω	-	50	-

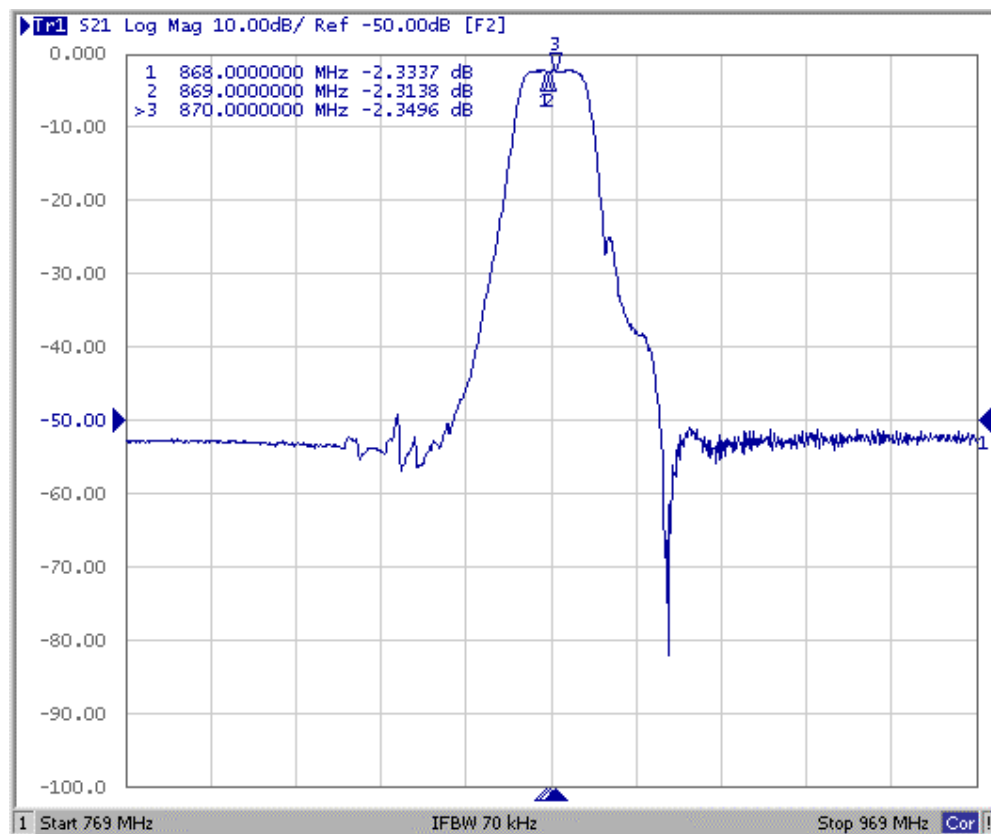
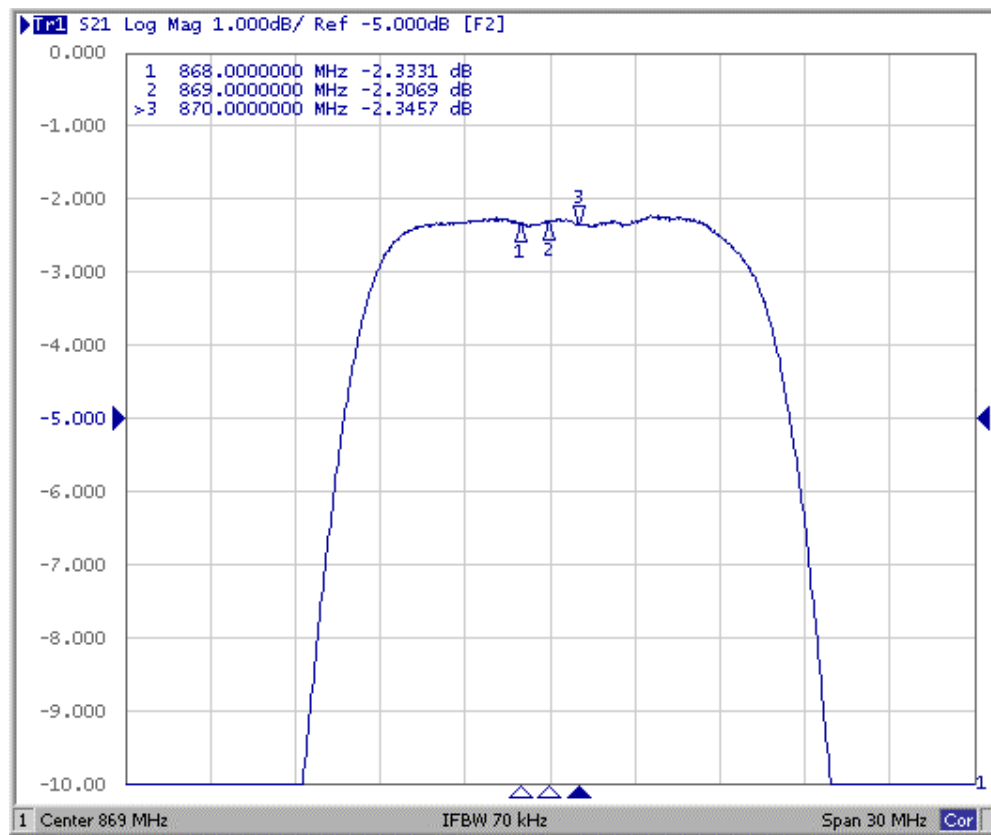
Note1: No matching network required for operation at 50 Ω.

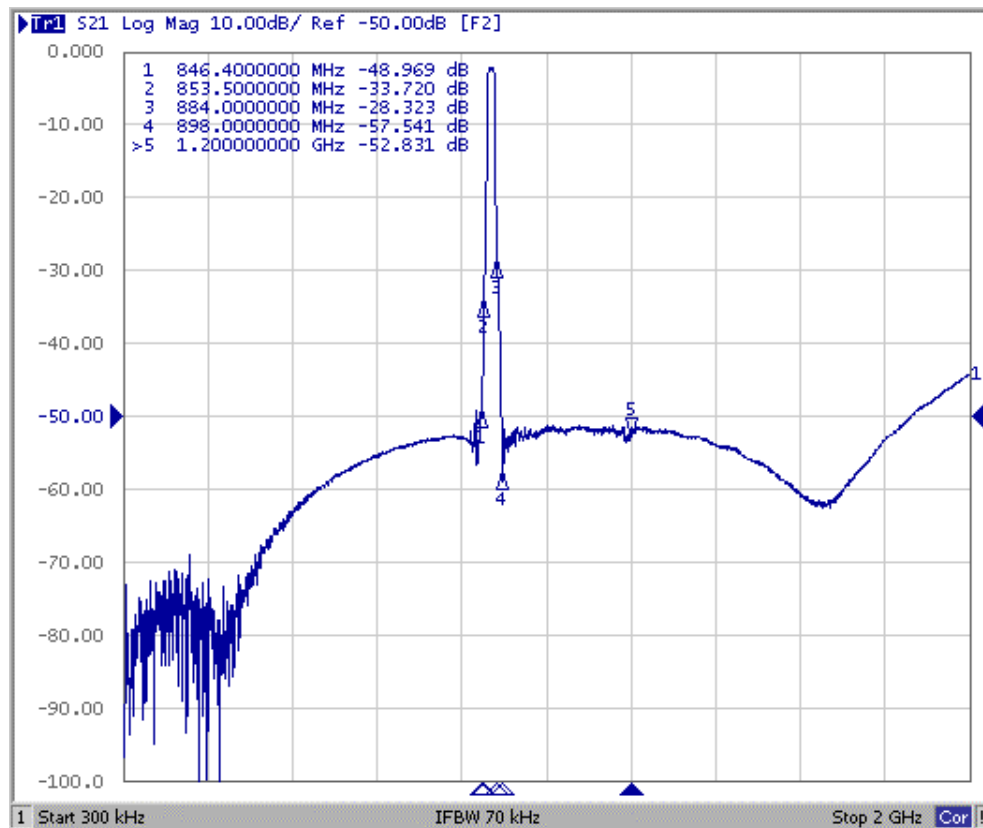
C. MEASUREMENT CIRCUIT:

HP Network analyzer

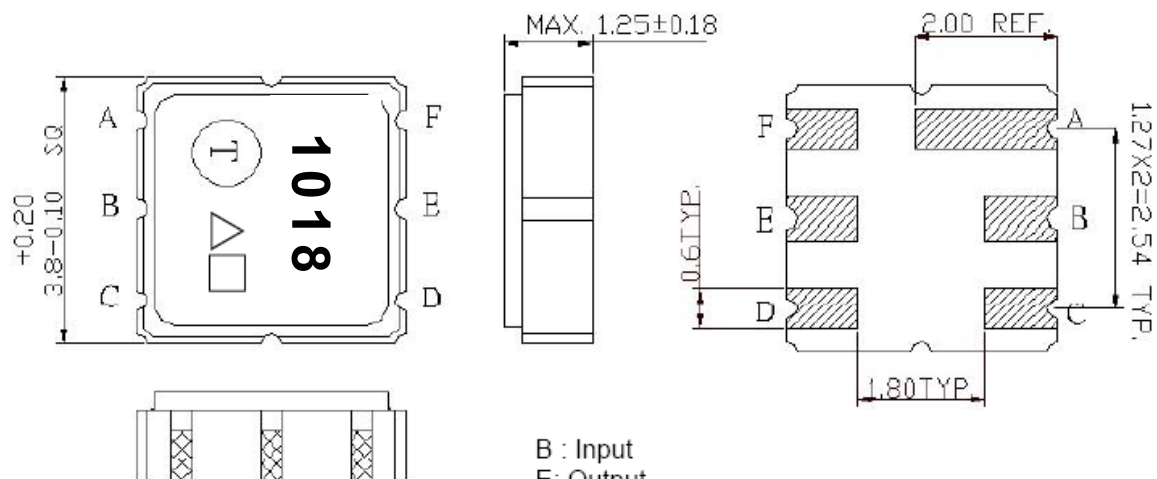


D. Frequency Characteristics :





E.OUTLINE DRAWING:

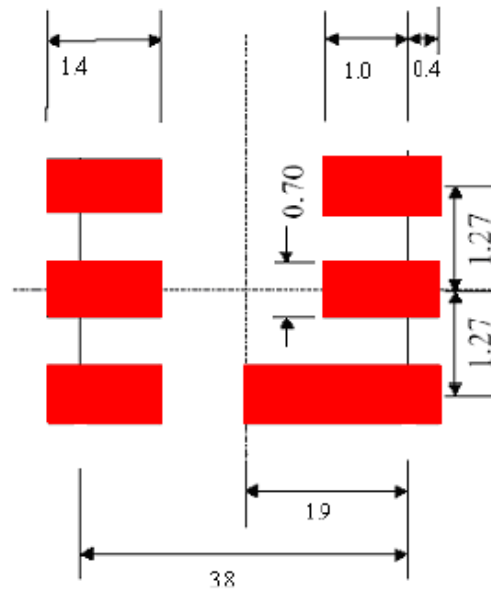


B : Input
 E: Output
 A,C,D,F Ground
 △:Year Code
 □: Date Code(Follow the table provided by planner each year.)
 Unit: mm

△ Product Year Code

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

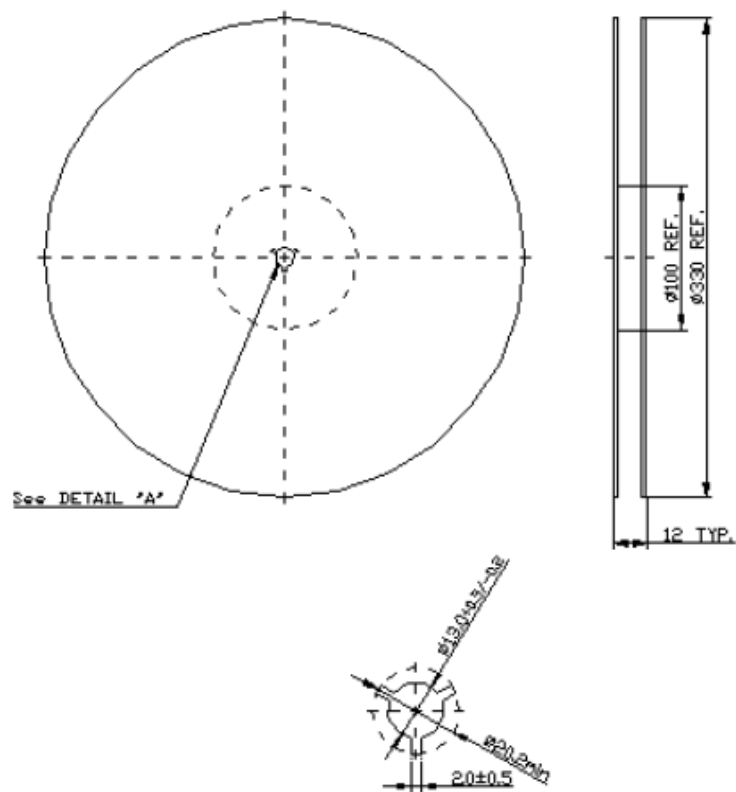
F. PCB FOOTPRINT:



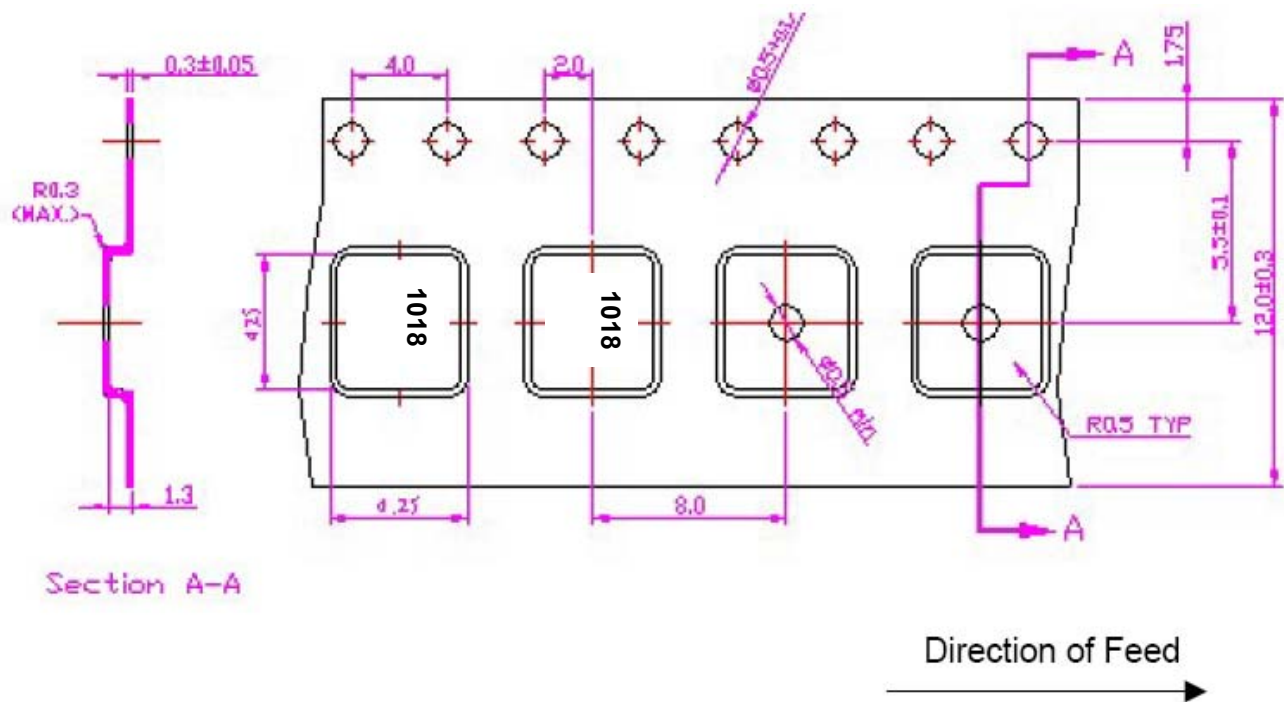
G. PACKING:

1. REEL DIMENSION

(Reel Count : 7"=1000 ; 13"=3000 or per the request of customer order)



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

