



TAI-SAW TECHNOLOGY CO., LTD.

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

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Product Specifications Approval Sheet

Product Description: SAW Filter 408 MHz SMD 3.8x3.8 mm

TST Part No.: TA1188A

Customer Part No.: _____

Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ David Chang 張開智

Approved by: _____ Francis Chen 陳國平

Date: _____ 2010/04/07

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 408 MHz

MODEL NO.:TA1188A

REV. NO.:1

A. MAXIMUM RATING:

1.Input Power Level: 15 dB_m

2.DC voltage: 3 V

3.Operating Temperature: -40°C to 85°C

4.Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

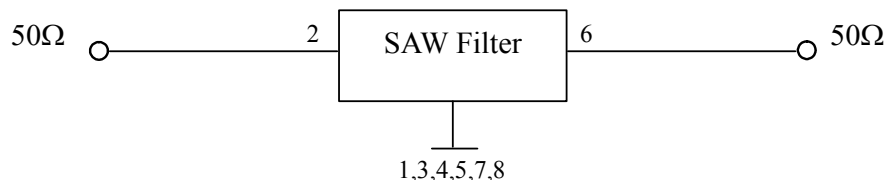
Item	Unit	Min.	Typical	Max.
Center frequency F _c	MH	-	408	-
Minimum Insertion loss 406 ~ 409 MHz IL _{min}	dB	-	1.6	2.5
Passband Ripple 406 ~ 409 MHz	dB	-	0.3	1.8
3dB Bandwidth BW _{-3dB}	MHz	3	8	-
Attenuation (Reference level from IL _{min} dB)				
358.5 MHz	dB	40	72	-
358.5~384.0 MHz	dB	35	62	-
400.0 MHz	dB	10	34	-
415.0~423.0 MHz	dB	5	21	-
423.0~503.0 MHz	dB	40	50	-
Temperature coefficient of frequency	ppm/k	-	-37	-
Source impedance Z _s	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}.

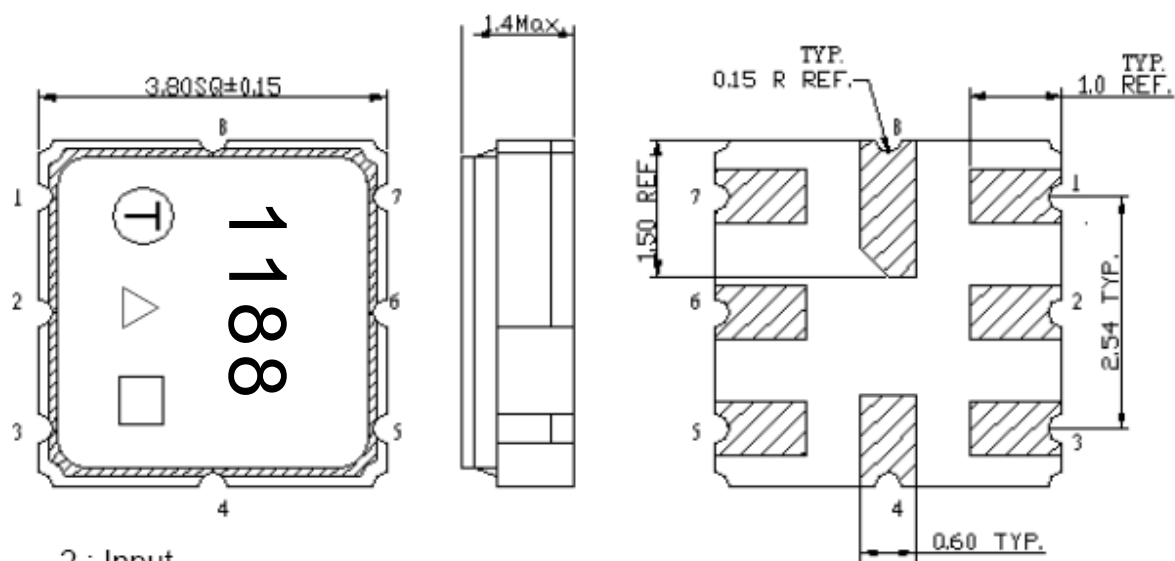
Note2: The room temperature, Tr, is 25° C. FTC is temperature coefficient of frequency. The nominal frequency at temperature, Tc, may be calculated from $f = F_c [1 - FTC(T_r - T_c)]$.

C. MEASUREMENT CIRCUIT:

HP Network analyzer



D.OUTLINE DRAWING:

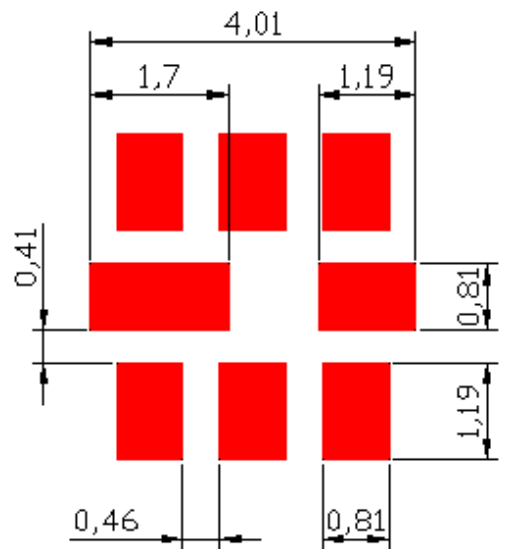


- 2 : Input
6: Output
1,3,4,5,7,8: Ground
△ : Year Code
□ : Date Code (W01->A, W02->B,...,W52->z)

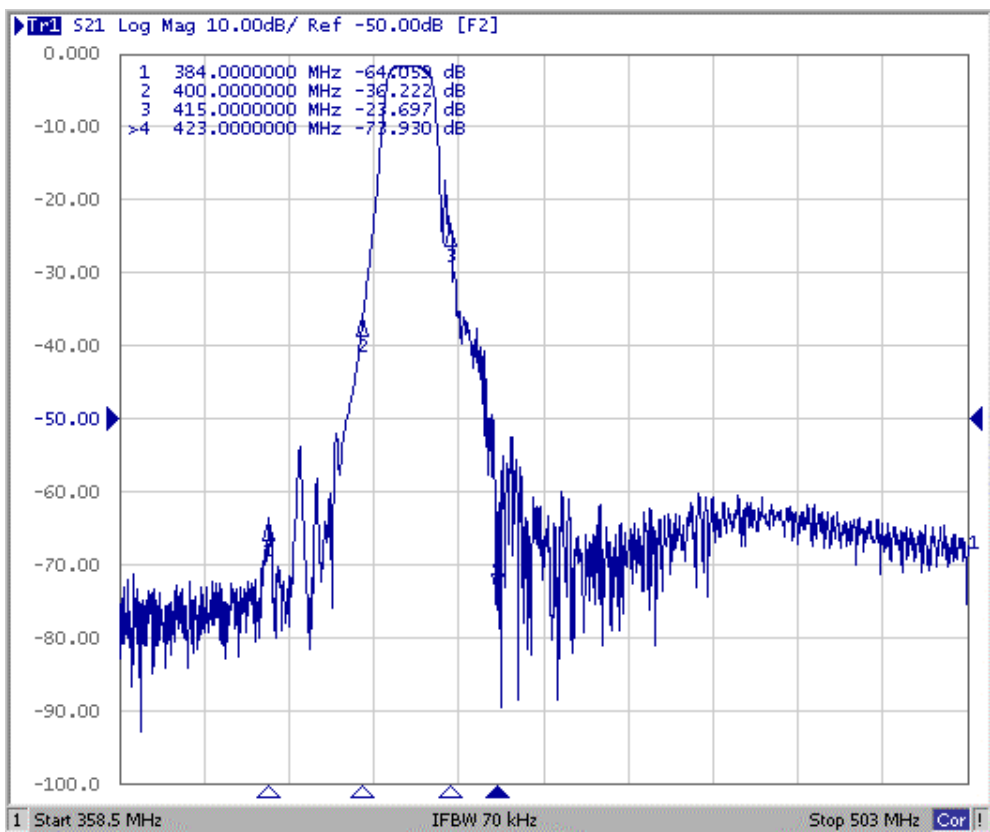
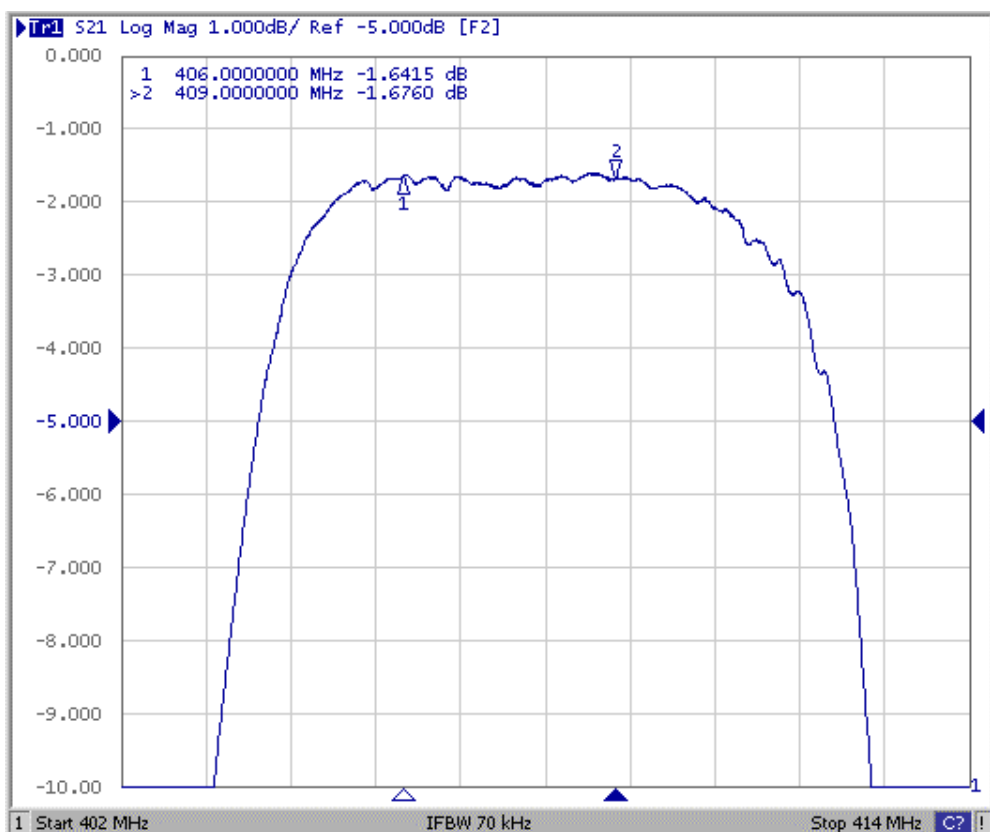
△ Product Year Code

Year	2007	2008
	2009	2010
	2011	2012
Product Code	A	a

E. PCB Footprint:

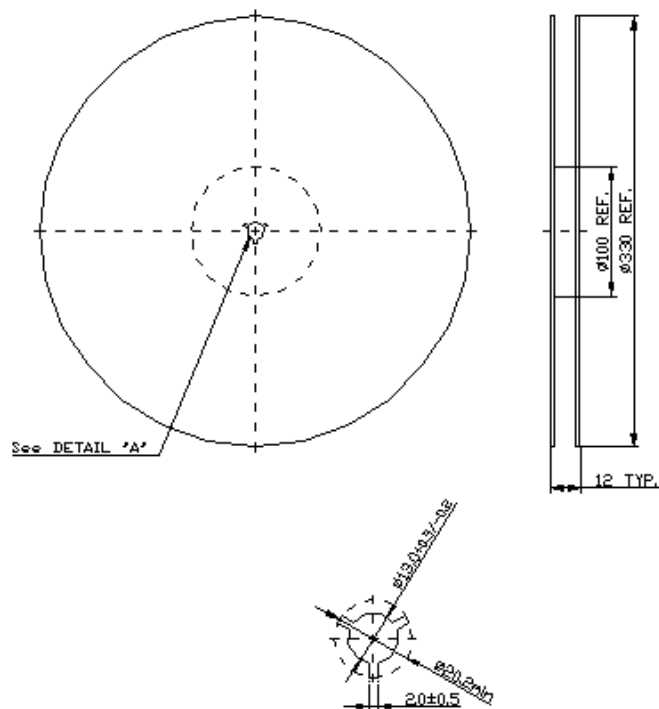


F. Frequency Characteristics :

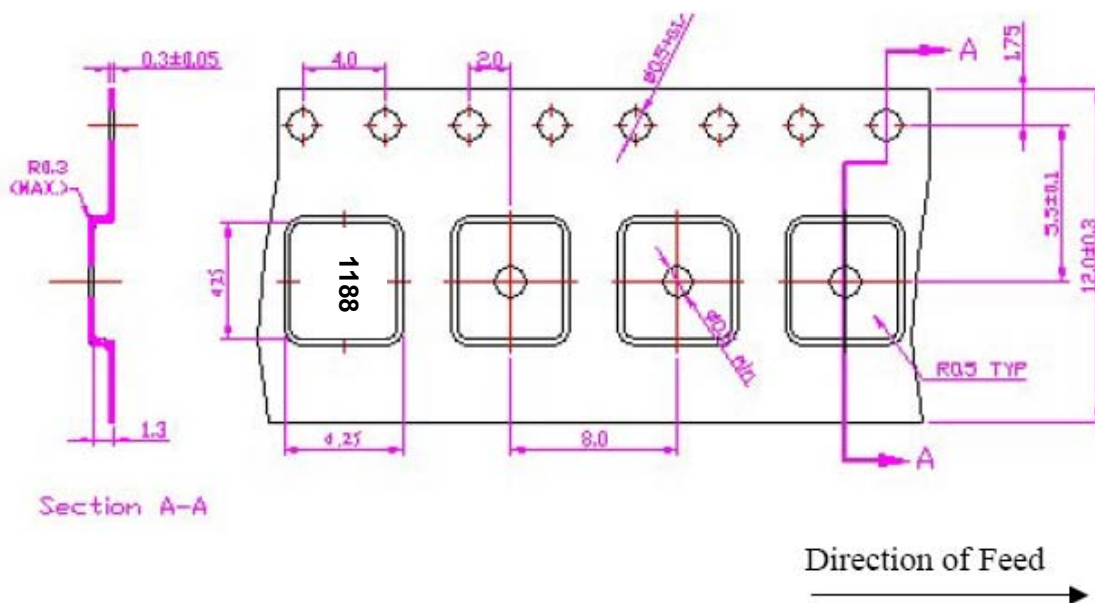


G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

