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 184 MHz SMD 5.0X5.0 mm

TST Part No.: TA1450A

Customer Part No.:_____

Customer signature required

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Bob Chau _____

Approved by:_____ Francis Chen _____

Date:_____ 1, 9, 2012 _____

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 184 MHz

MODEL NO.:TA1450A REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 22 dBm
2. DC Voltage : 5V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

Electrostatic **S**ensitive **D**evice (**ESD**)

B. ELECTRICAL CHARACTERISTICS:

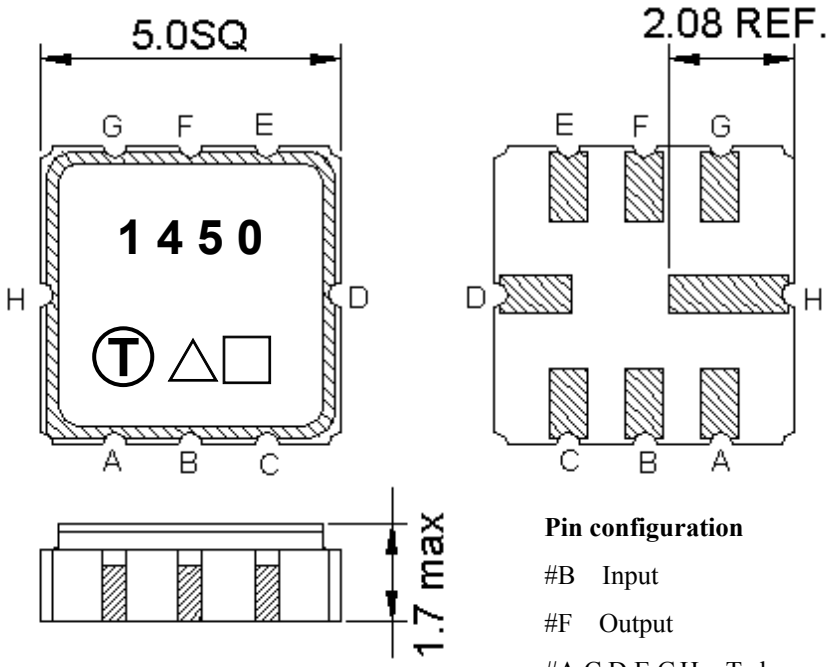
Terminating source impedance (single ended) : Zs = 50 Ω

Terminating load impedance (single ended) : Z_L = 50 Ω

Item		Unit	Min.	Typ.	Max.	Note
Center Frequency	**Fc**	MHz	-	184	-	-
Min. Insertion Loss	**ILmin**	dB	-	1.6	2.8	-
Bandwidth@-1dB		MHz	4	7	-	-
Bandwidth@-3dB		MHz	6	9.6	-	-
Bandwidth@-20dB		MHz	-	13	24	-
Attenuation (reference level from 0 dB)						
Fc – 50 ~ **Fc** – 30 MHz		dB	42	55	-	-
Fc – 30 ~ **Fc** – 15 MHz		dB	36	53	-	-
Fc + 30 ~ **Fc** + 50 MHz		dB	42	50	-	-
Temperature Coefficient of Frequency		ppm/℃	-	-36	-	-

Note: 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}.

C.OUTLINE DRAWING:



Pin configuration

#B Input

#F Output

#A,C,D,E,G,H To be grounded

△ Year code

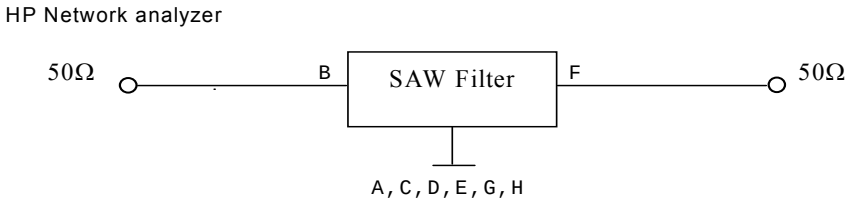
□ Date code (W01->A,…W52->z)

Unit mm

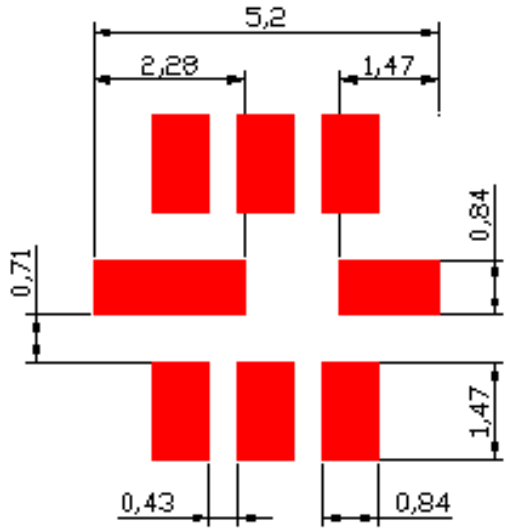
△ : Product / Year Code

Year	2009 2013	2010 2014	2011 2015	2012 2016
Product Code	A	a	A	a

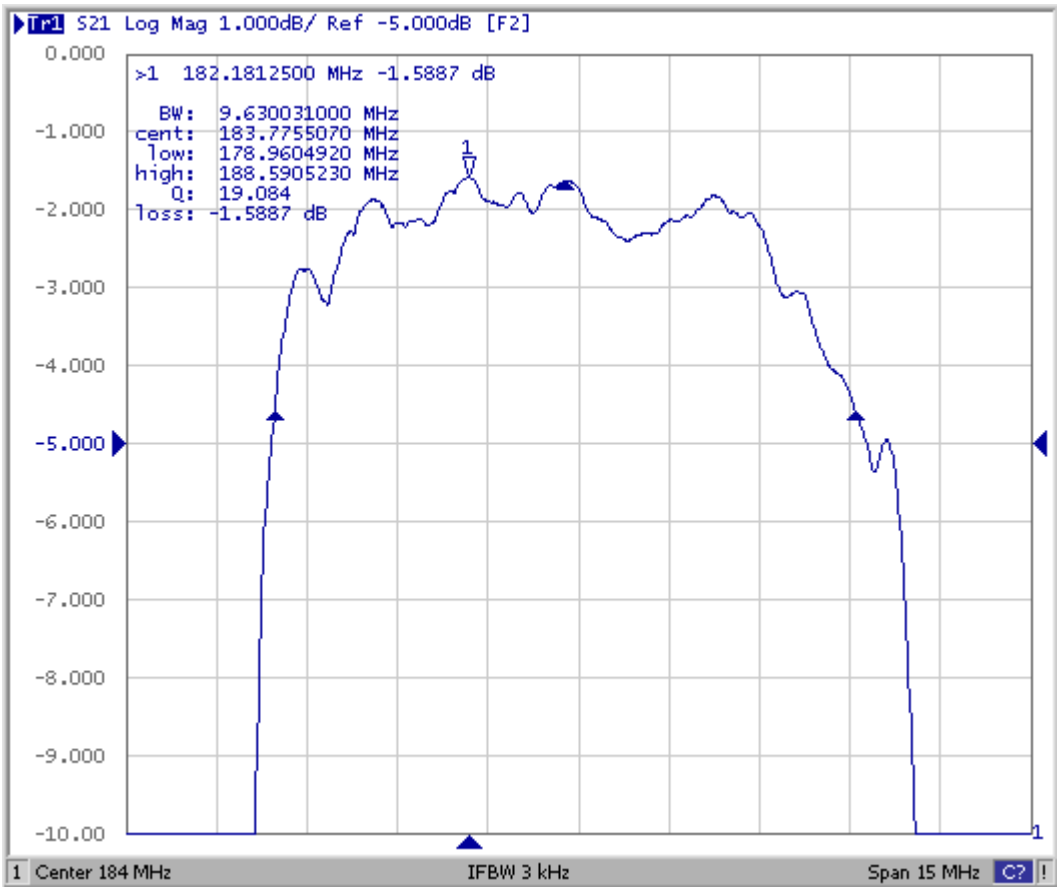
D. MEASUREMENT CIRCUIT:

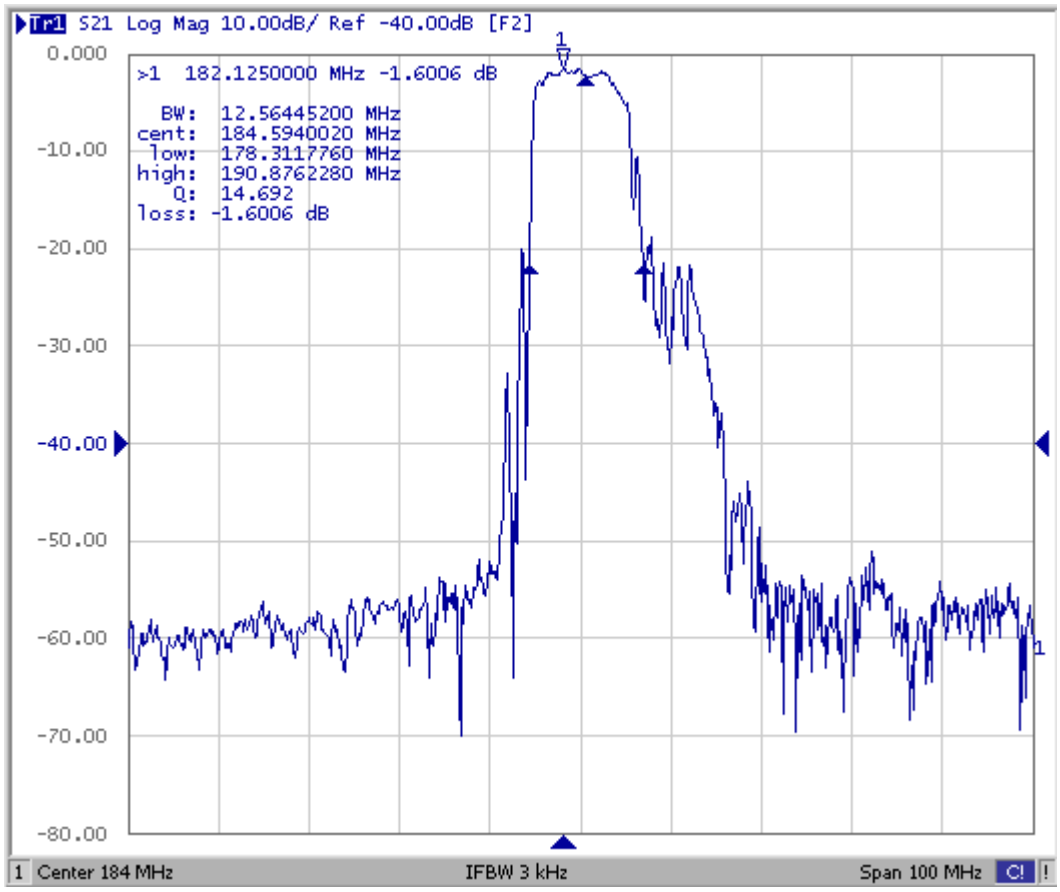


E. PCB Footprint:



F. Frequency Characteristics :

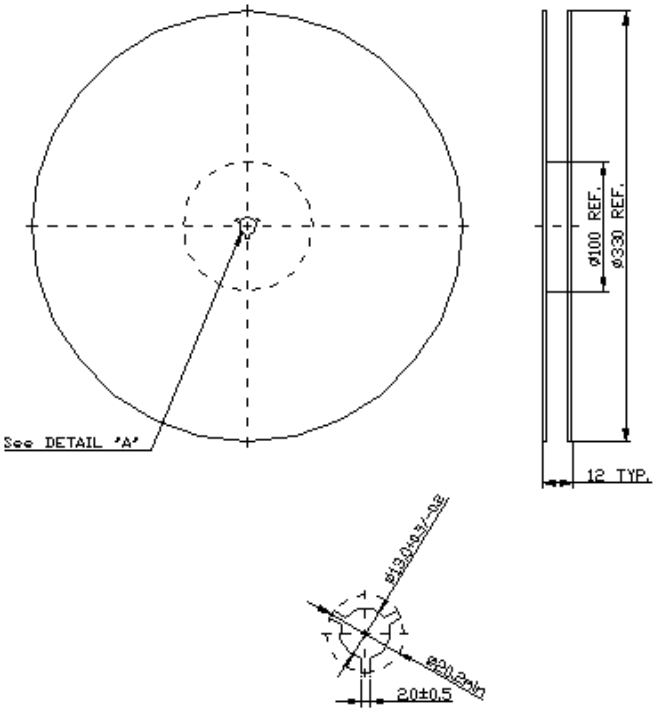




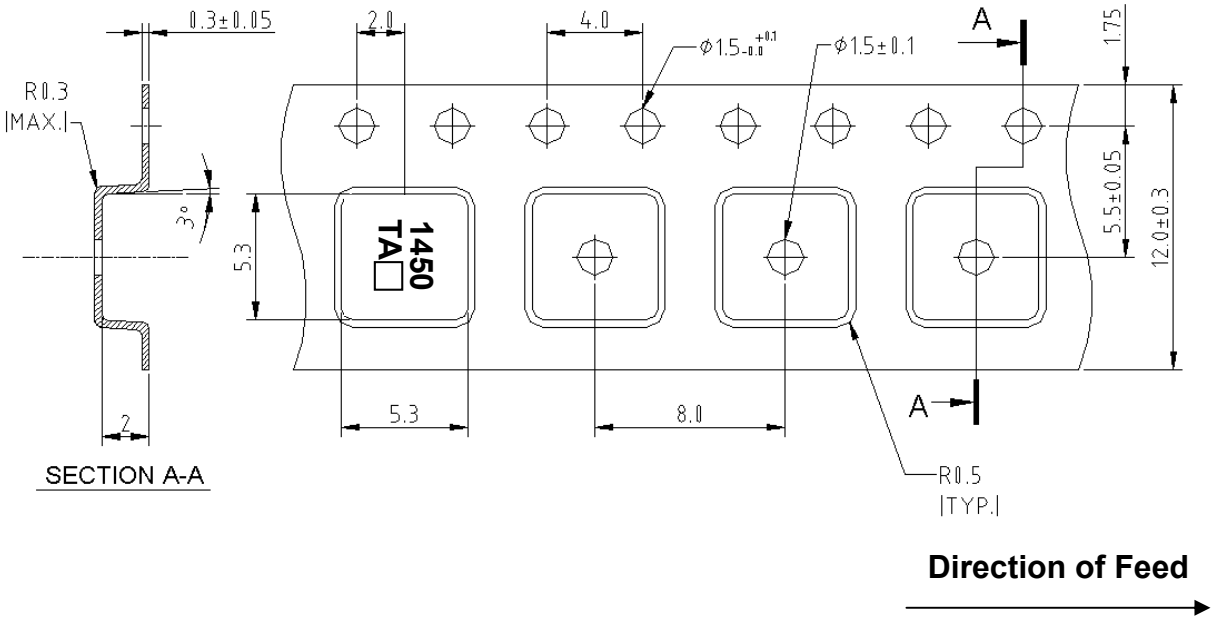
G. PACKING:

1. REEL DIMENSION

(Reel Count : 7”=1000 ; 13”=3000)



2.TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

1. Preheating shall be fixed at 150~180℃ for 60~90 seconds.
2. Ascending time to preheating temperature 150℃ shall be 30 seconds min.
3. Heating shall be fixed at 220℃ for 50~80 seconds and at 245~260℃ peak (min. 10sec).
4. Time : 2 times.