



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

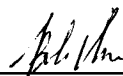
Product Specifications Approval Sheet

Product Description: SAW Filter 169.4375 MHz SMD 7.0X5.0 mm

TST Part No.: TB1064A

Customer Part No.: _____

Customer signature required
Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: _____ Bob Chau 

Approved by: _____ Francis Chen 

Date: _____ 12, 6, 2011

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.



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 169.4375MHz

MODEL NO.: TB1064A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC voltage : 5 V
3. Operating Temperature: -20°C to +70°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

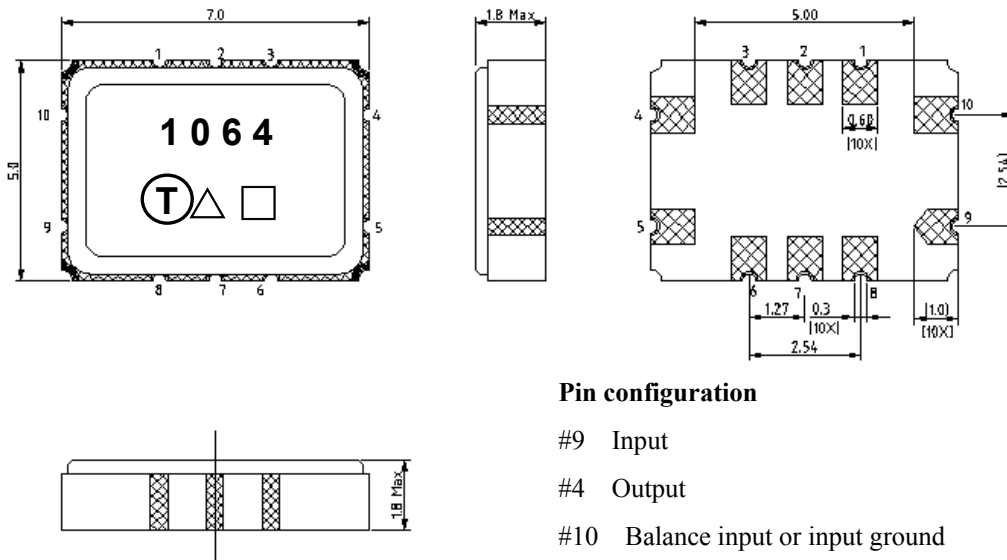
Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.	Note
Center frequency, Fc	MHz	-	169.4375	-	-
Insertion loss at center frequency ILc	dB	-	3	5	-
Ripple (169.43375 ~ 169.44125 MHz)	dB	-	0.1	±1	-
Attenuation (reference level from ILc)					
Fc - 4 to Fc - 0.92 MHz	dB	40	60	-	-
Fc - 0.92 to Fc - 0.31 MHz	dB	30	55	-	-
Fc + 0.31 to Fc + 0.92 MHz	dB	30	55	-	-
Fc + 0.92 to Fc + 4 MHz	dB	40	42	-	-
Temperature coefficient of frequency TCf	-0.033 ppm/C^2				

Note1. Considering -12 KHz frequency shift from -20°C to +70°C

C. OUTLINE DRAWING:



Pin configuration

- #9 Input
- #4 Output
- #10 Balance input or input ground
- #5 Balance output or output ground
- #1,2,3,6,7,8 To be grounded

△ : Year code

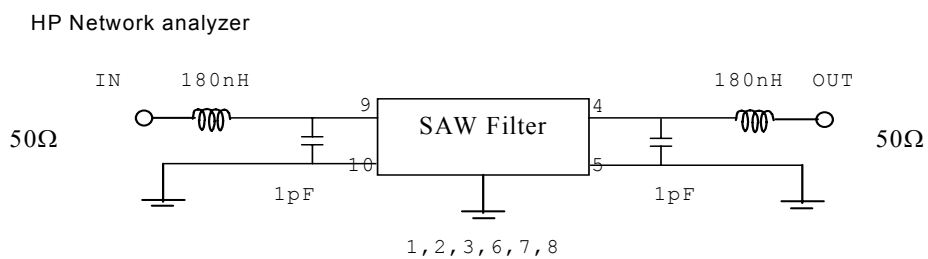
□ : Date code

Product Year Code

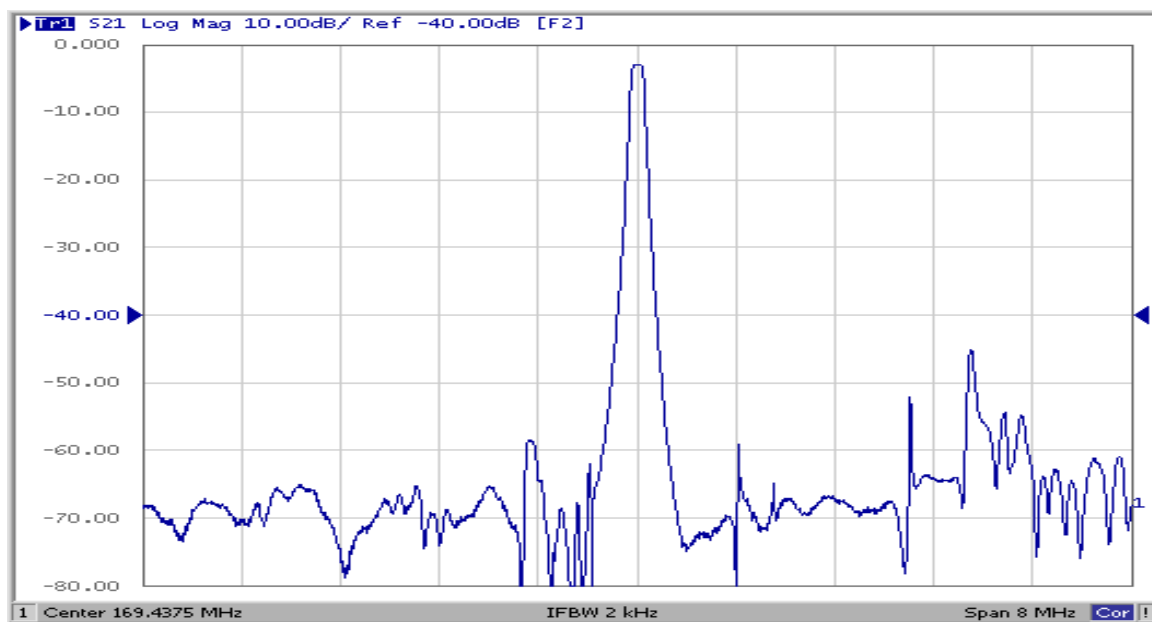
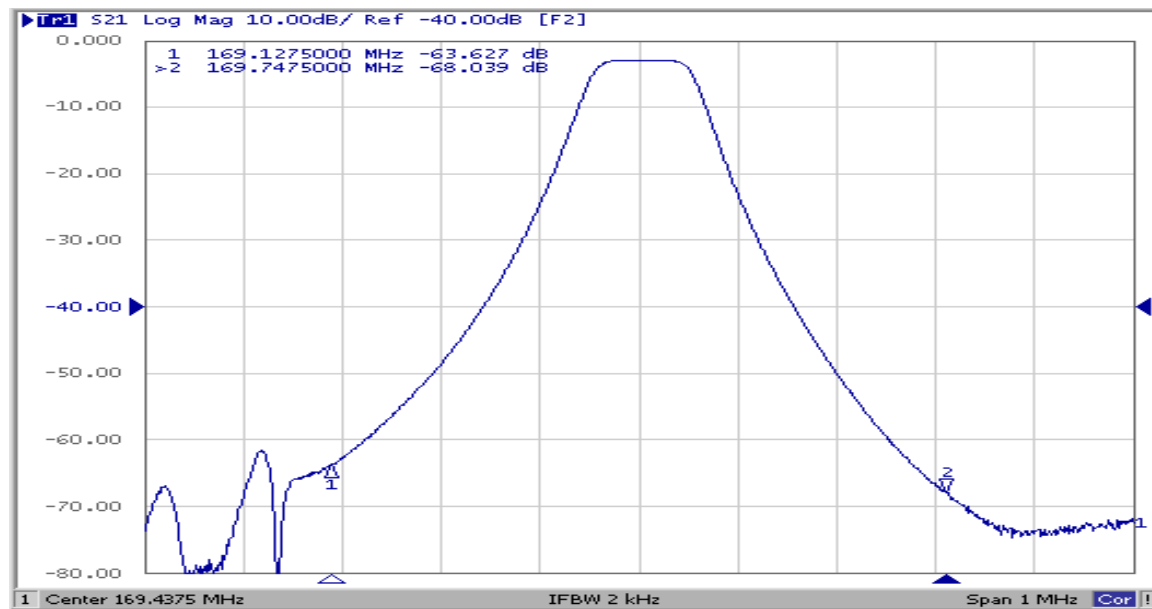
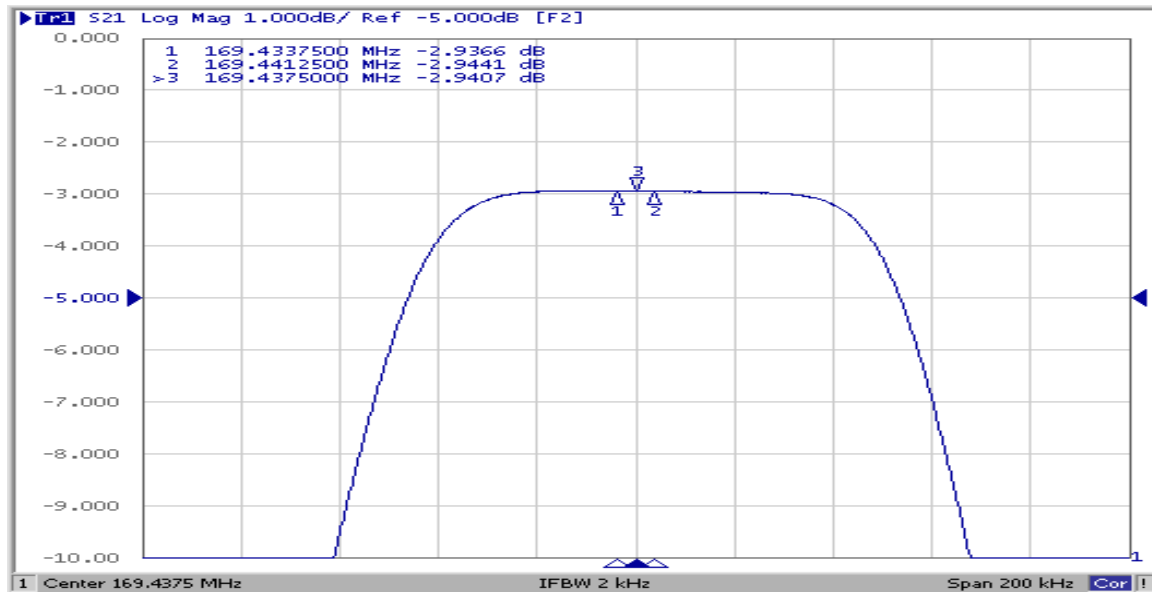
Year	2009 2013	2010 2014	2011 2015	2012 2016
Product Code	B	b	<u>B</u>	<u>b</u>

D. MEASUREMENT CIRCUIT:

50 Ohm Test circuit (single-ended / single-ended)

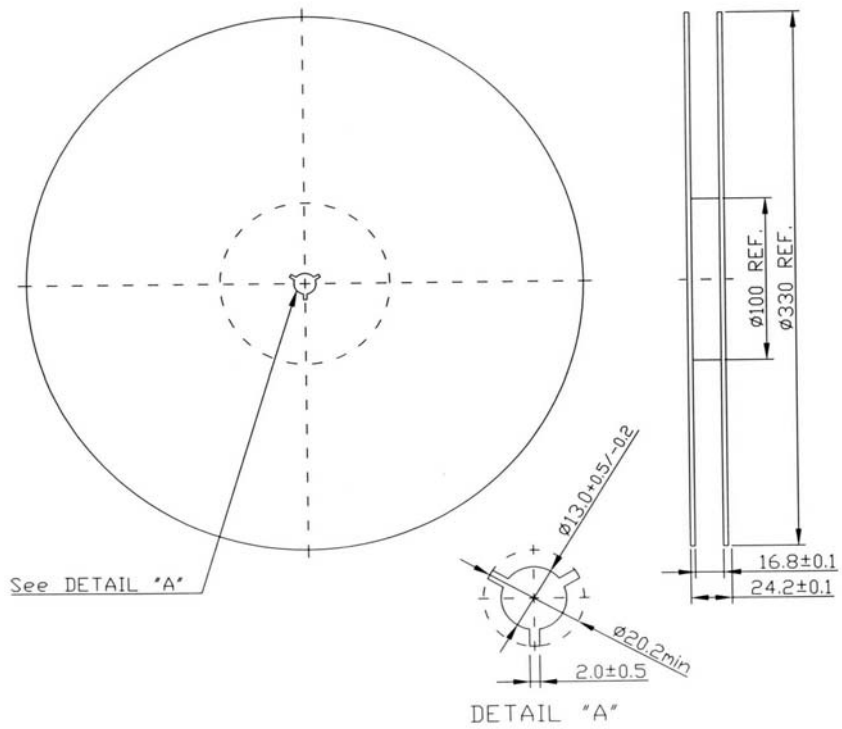


E. Frequency Characteristics :

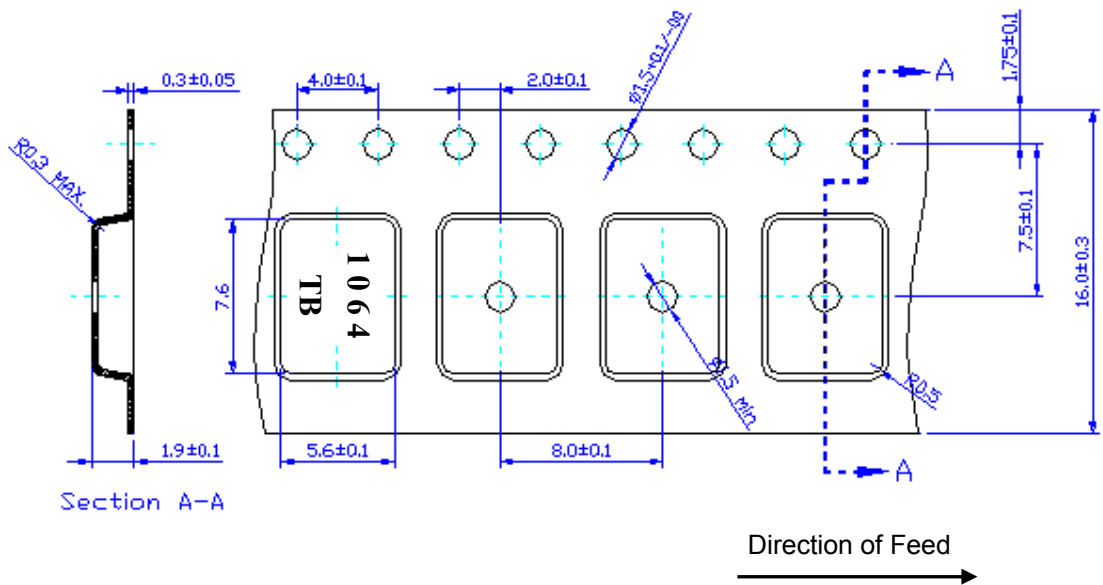


F. PACKING:

1. REEL DIMENSION



2.TAPE DIMENSION



G. RECOMMENDED REFLOW PROFILE :

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

