



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: ttsales@mail.taisaw.com Web: www.taisaw.com

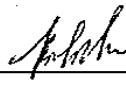
Product Specifications Approval Sheet

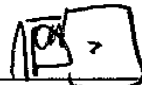
Product Description: SAW Filter 204.8 MHz SMD 5.0X7.0 mm

TST Part No.: TB0983A

Customer Part No.: _____

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

Checked by: _____ Bob Chau 

Approved by: _____ Francis Chen 

Date: _____ 3, 21, 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 204.8MHz

MODEL NO.: TB0983A

REV. NO.:1

A. MAXIMUM RATING:

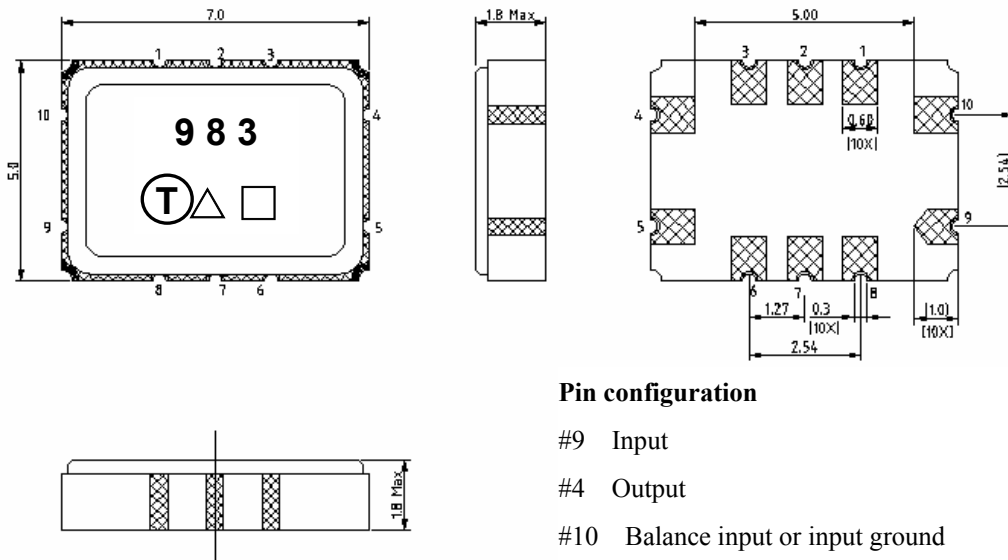
1. Input Power Level: 10 dBm
2. DC voltage : 3 V
3. Operating Temperature: -25°C to +60°C
4. Storage Temperature: -30°C to +70°C

RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.	Note
Center frequency, F_c	MHz	-	204.8	-	-
Minimum Insertion Loss, (F_c±25KHz) IL	dB	-	2.6	6	-
Passband Ripple (F_c±25KHz)	dB		0.1	1	-
Group delay ripple (F_c±25KHz), GD	μs	-	0.4	2	-
Attenuation:(Reference level from min IL)					
F_c - 115 to F_c - 1 MHz	dB	50	60	-	-
F_c - 1 to F_c - 0.6 MHz	dB	42	55	-	-
F_c - 0.6 to F_c - 0.4 MHz	dB	29	70	-	-
F_c + 0.4 to F_c + 0.6 MHz	dB	29	70	-	-
F_c + 0.6 to F_c + 1 MHz	dB	42	50	-	-
F_c + 1 to F_c + 115 MHz	dB	50	55	-	-
Temperature coefficient of frequency TCf		-0.033 ppm/C²			

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

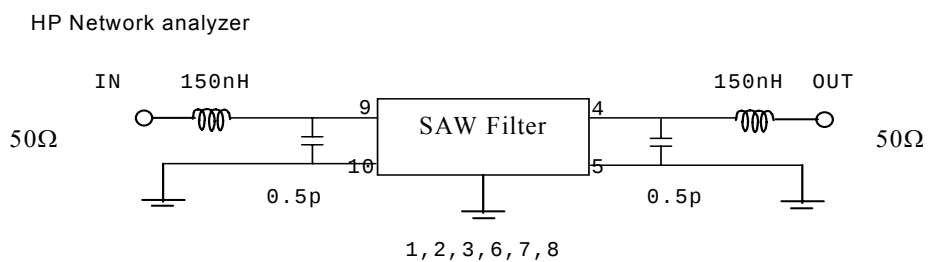
□ : Date code

Product Year Code

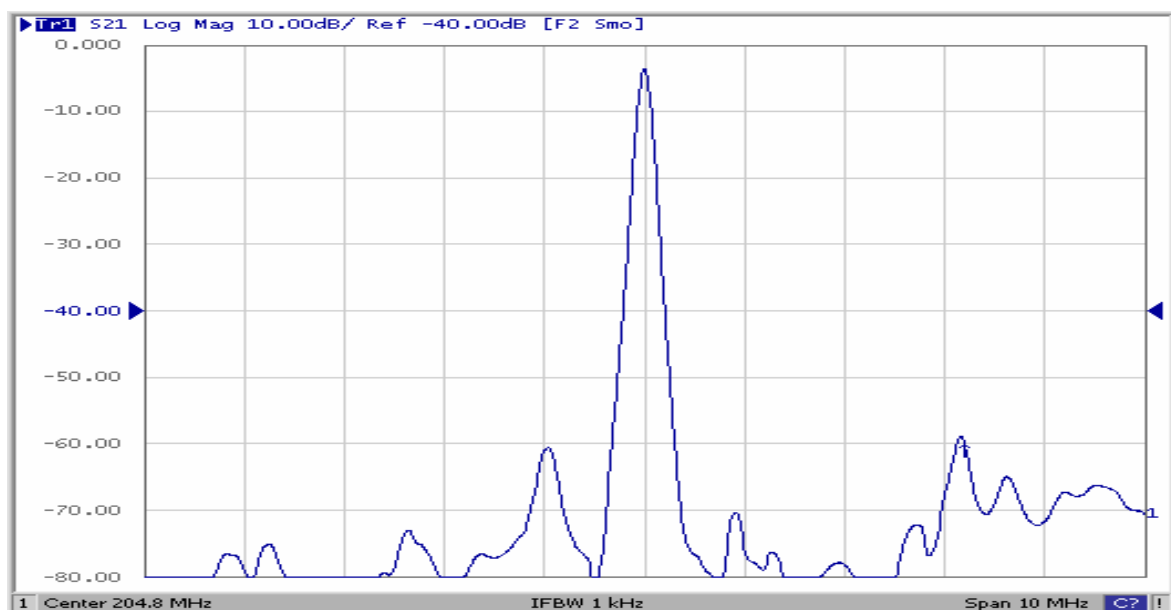
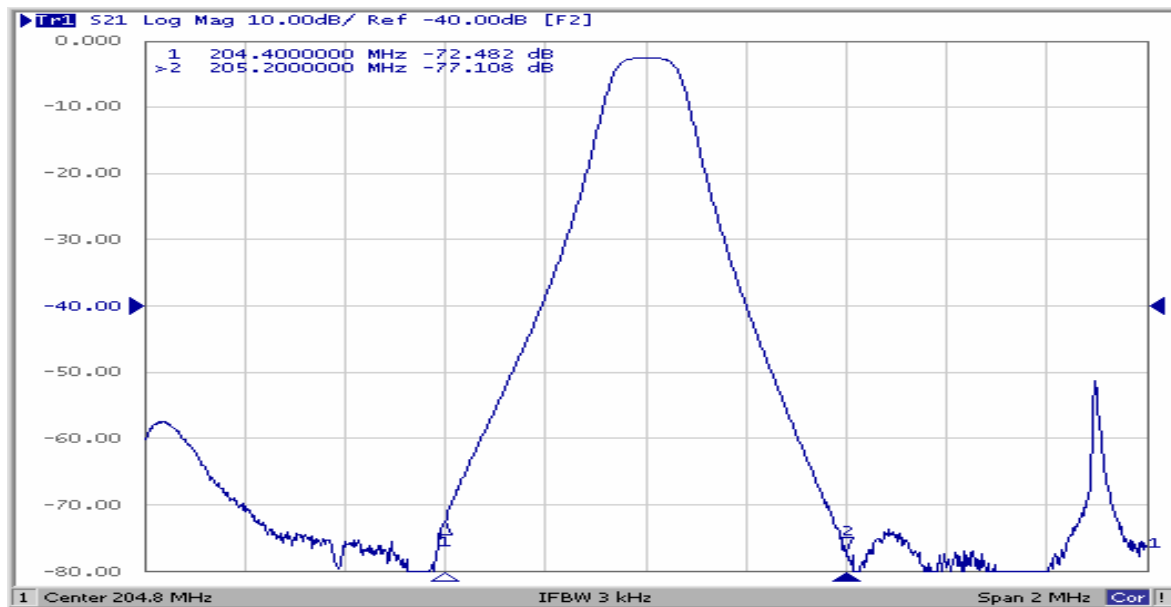
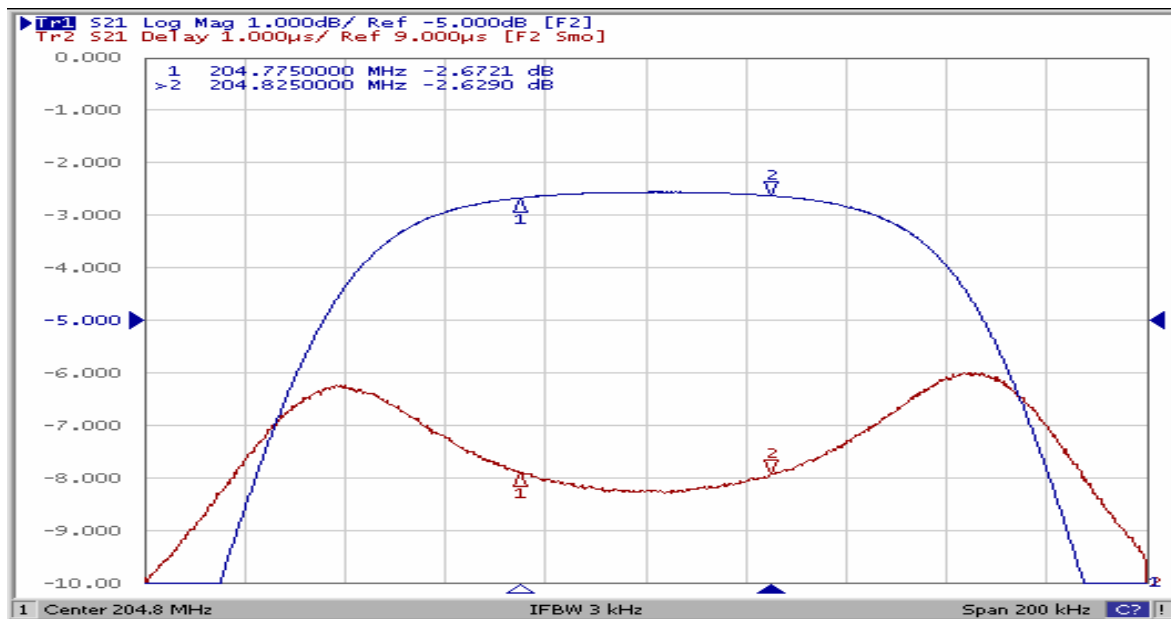
Year	2009 2013	2010 2014	2011 2015	2012 2016
Product Code	B	b	<u>B</u>	<u>b</u>

D. MEASUREMENT CIRCUIT:

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

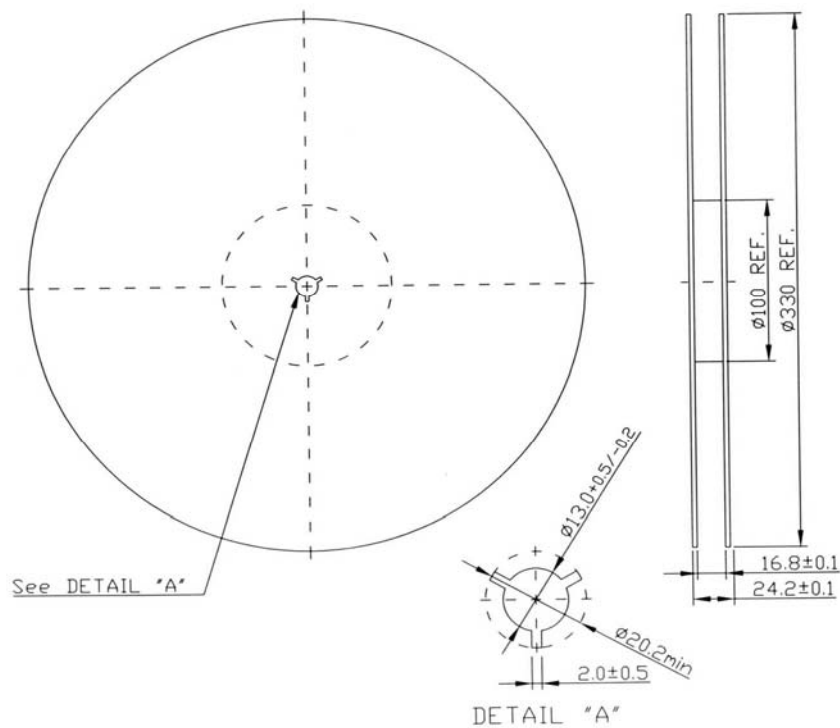


E. Frequency Characteristics :

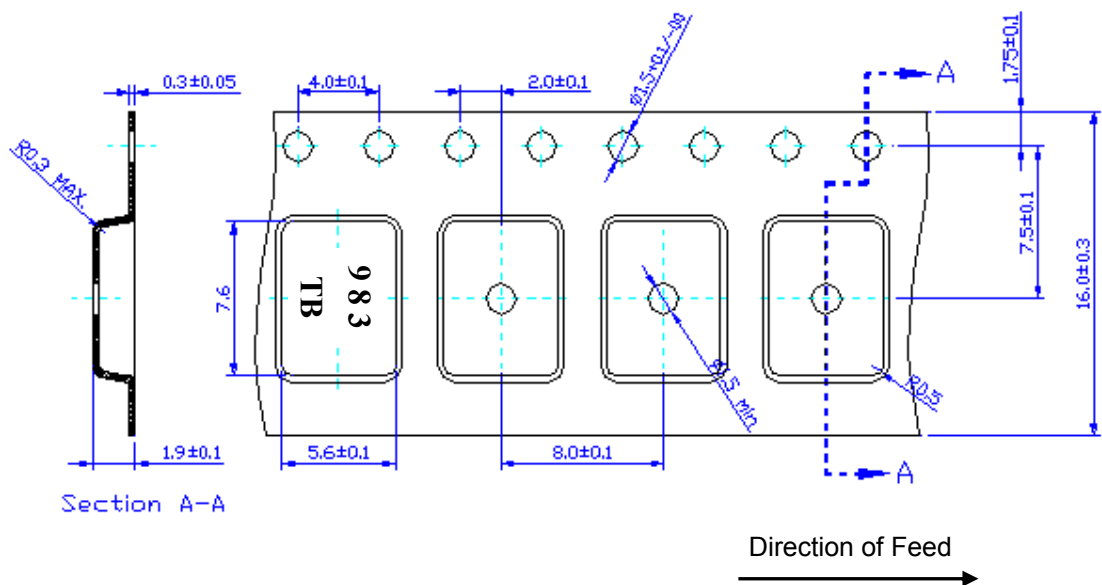


F. PACKING:
1. REEL DIMENSION

F. PACKING:
1. REEL DIMENSION



2.TAPE DIMENSION



G. RECOMMENDED REFLOW PROFILE :

