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 Name: SAW IF Filter 63.3MHz (BW 4MHz) SMD 13.3×6.5mm

TST Part No.:TB1065A

Customer Parts No.:_____

Customer signature required

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by: Andy Yu Andy

Approval by: Francis Chen

Date: 2012/01/02

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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IF SAW Filter 63.3 MHz SMD 13.3mmX6.5mm

MODEL NO.: TB1065A Rev. No. V1.0

A. Maximum Rating:

0. Maximum Input Power: 10dBm

1.Operating Temperature: -40 °C ~ +85 °C

2. Storage Temperature: -40 °C ~ +85 °C

RoHS Compliant
Lead free
Lead-free soldering

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

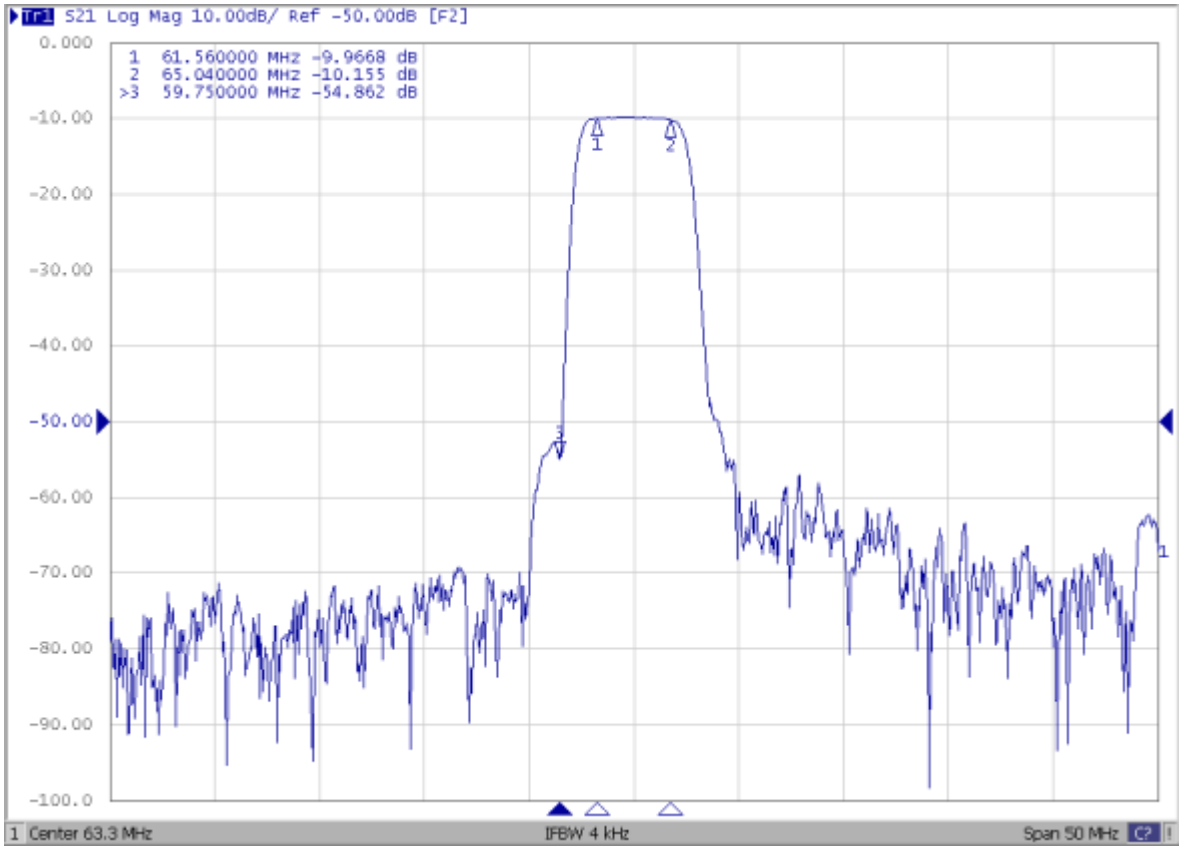
B. Characteristics :

Ambient Temperature: 25 °C

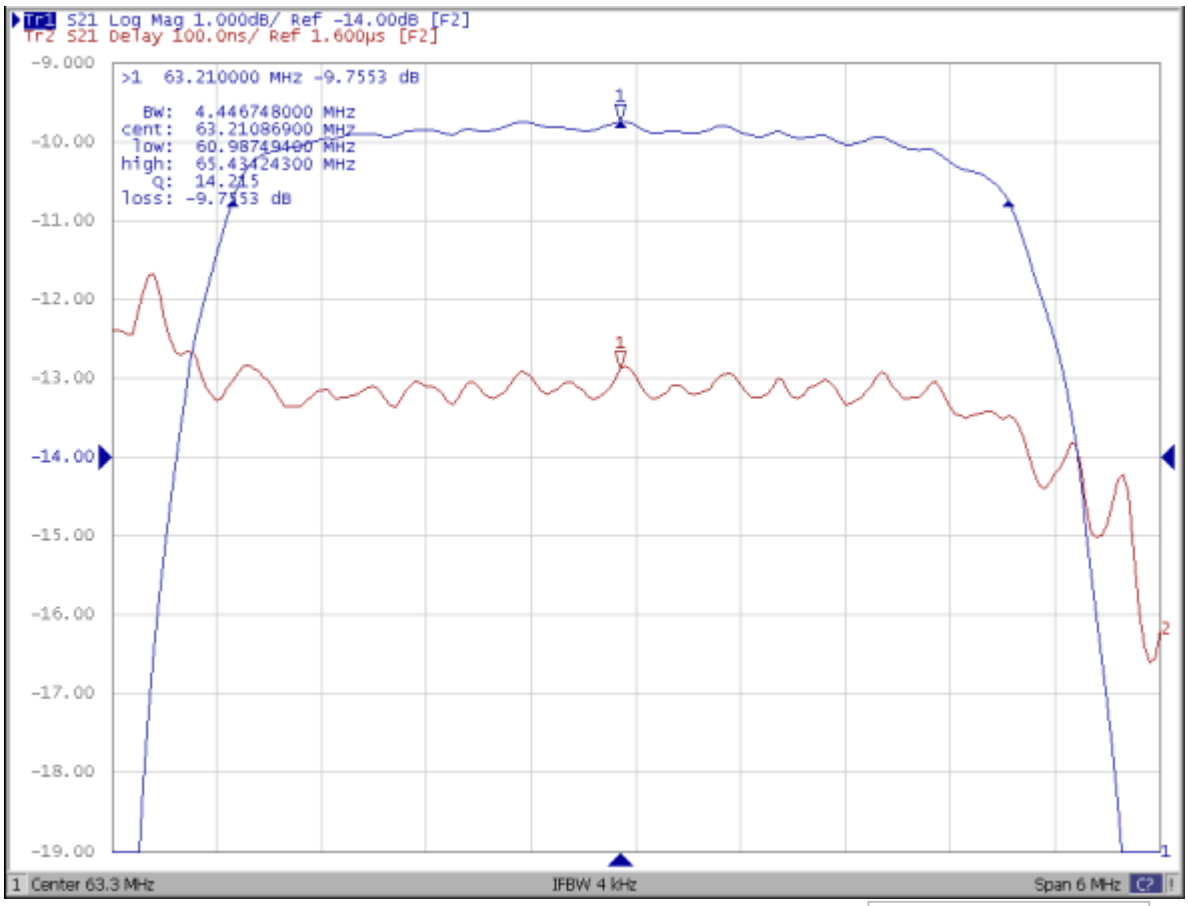
Item	Unit	Min.	Type.	Max.
Center frequency, **Fc**	MHz	-	63.3	-
Insertion Loss, **IL**	dB	-	9.8	12.0
-1 dB Bandwidth	MHz	4	4.46	-
Amplitude Ripple **Fc±1.74MHz**	dB	-	0.4	1.2
Group-delay Ripple **Fc±2.0MHz**	dB	-	65	150
Relative Attenuation (Ref: Max IL) **10 ~ 55MHz**	dB	40	48	-
Relative Attenuation (Ref: Max IL) **At 59.75MHz**	dB	12	44	-
Relative Attenuation (Ref: Max IL) **71 ~110MHz**	dB	37	43	-
Temp Coefficient	ppm/K	-94		

C. Frequency Characteristics :

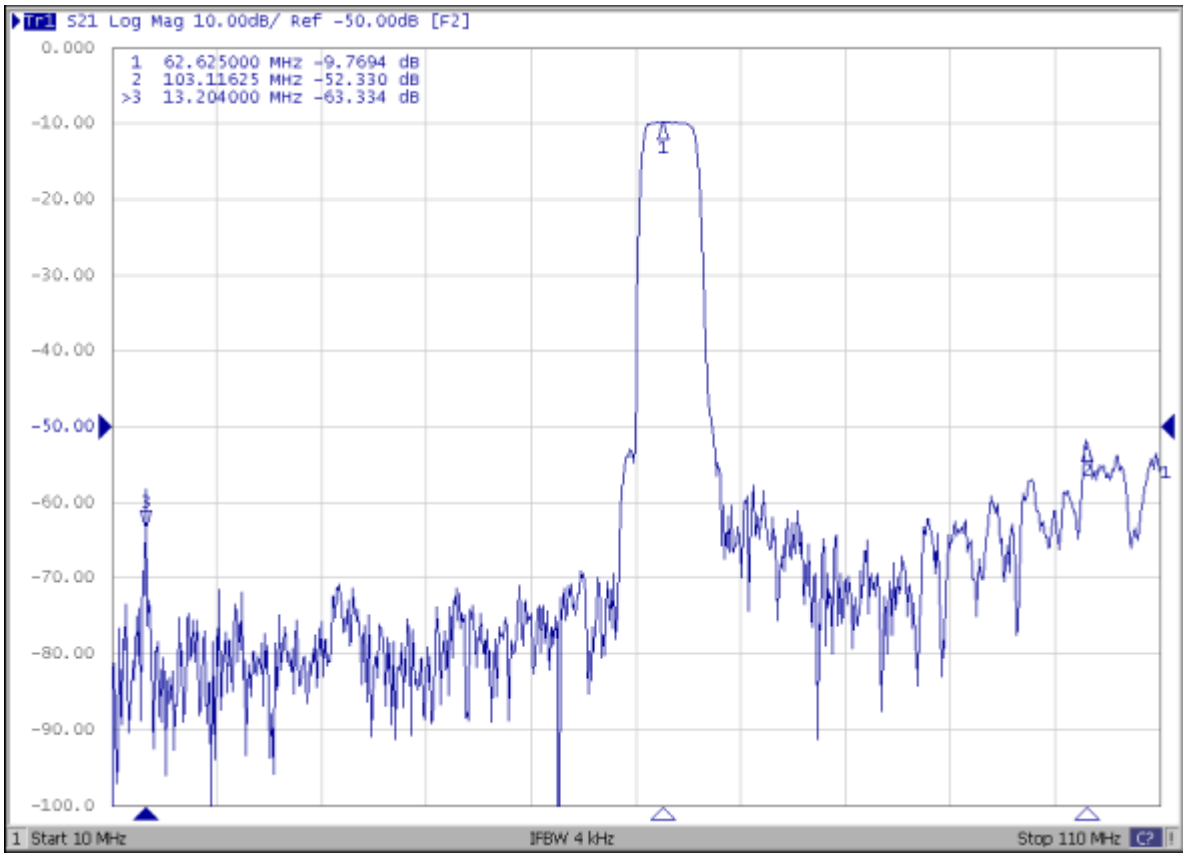
1.S21 Response: (span 50MHz)



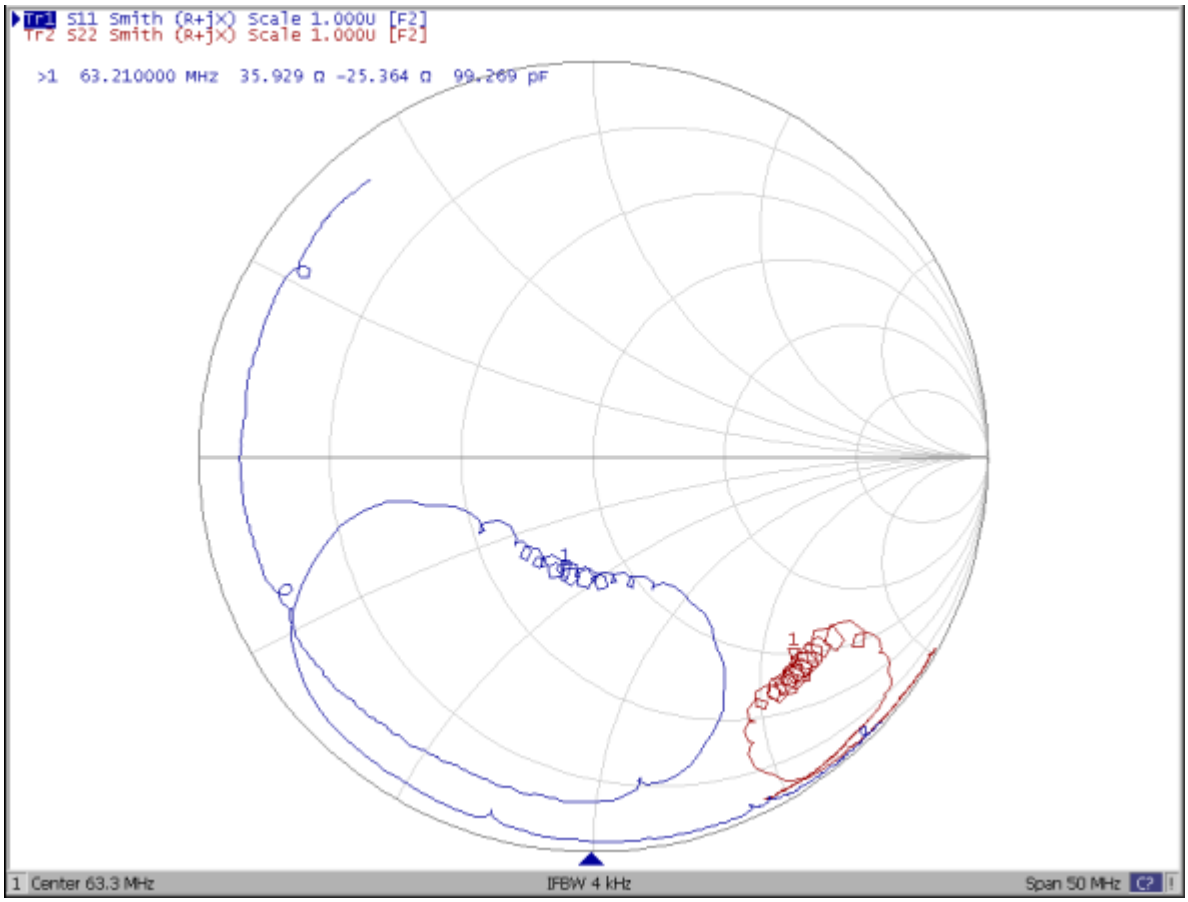
2.S21 Response: (span 6MHz)



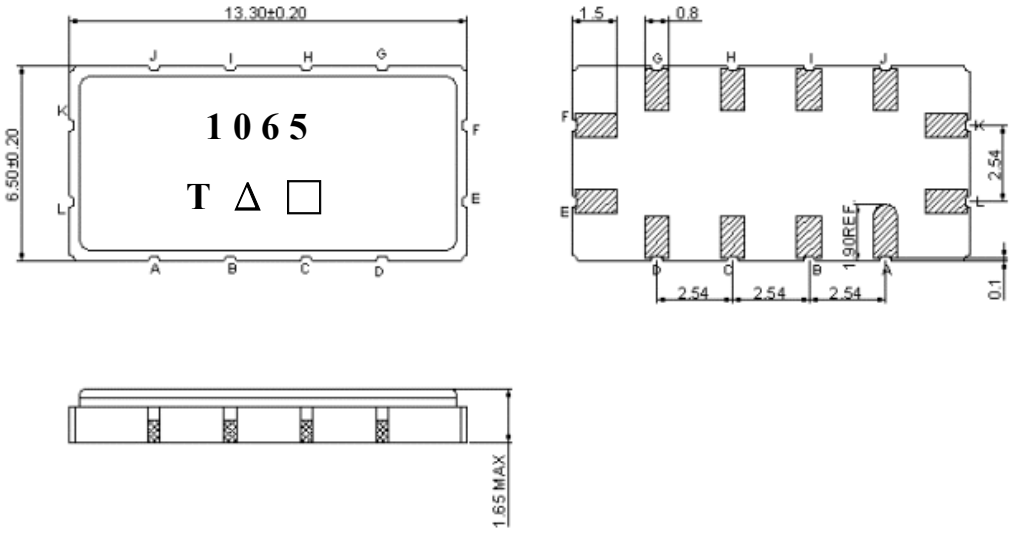
3.S21 Response: (span 100MHz)



4.S11&S22 Smith-Chart



D. Outline Drawing:



Pin K: RF input

Pin E: RF output

Pin A, B, C, D, G, H, I, L, F, J: To be Ground

□ : Week Code (Follow the table from planner each year)

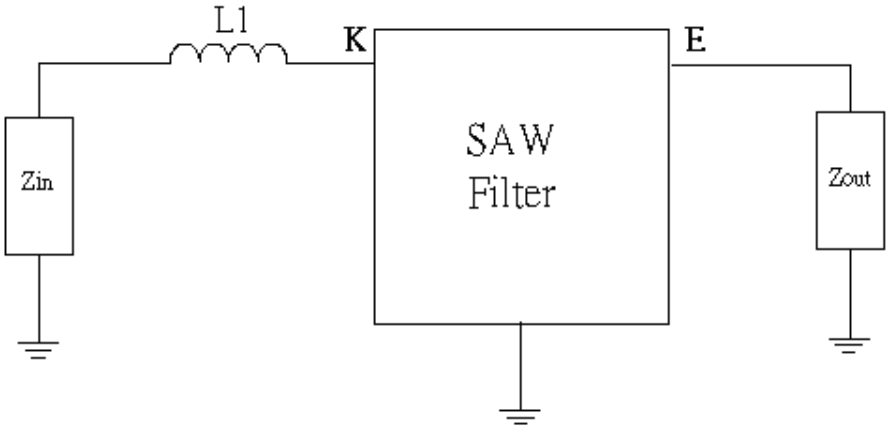
Unit : mm (week01, 02, 03…52 =>A, B, C…z)

△ : Product / Year Code

Year	2013 2009	2014 2010	2015 2011	2016 2012
Product Code	B	b	B	b

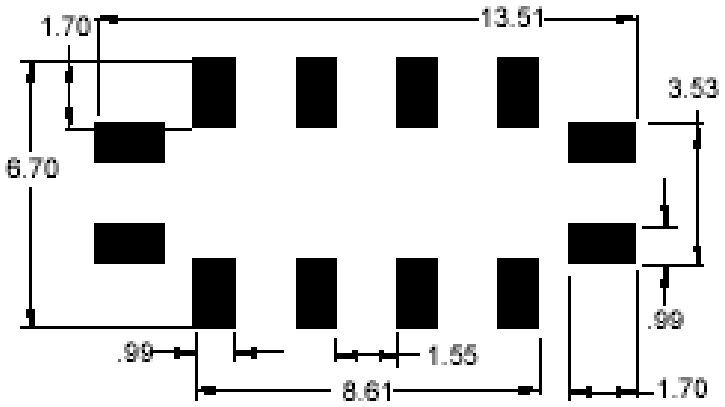
E. Measurement Circuits :

Single In/Output: (Zin = Zout =50Ω)



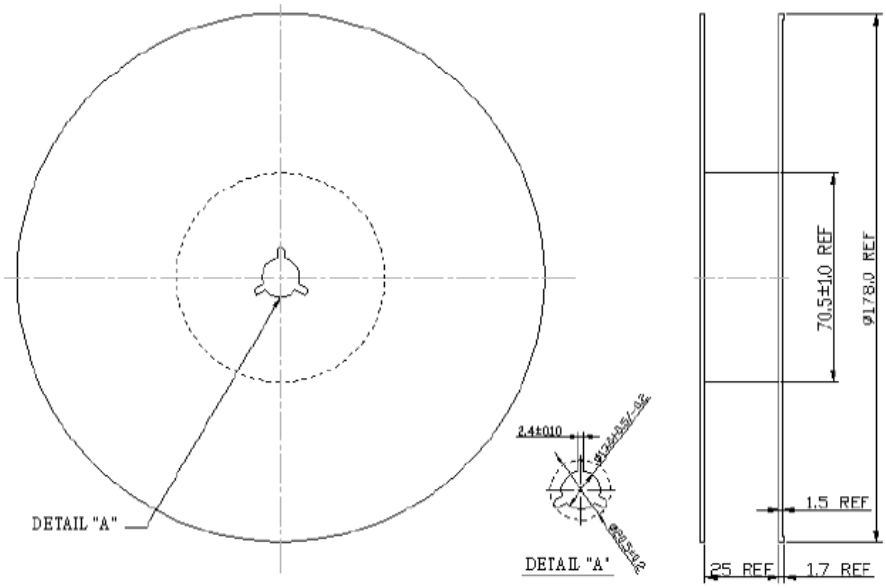
L1=180nH.

F. PCB Footprint

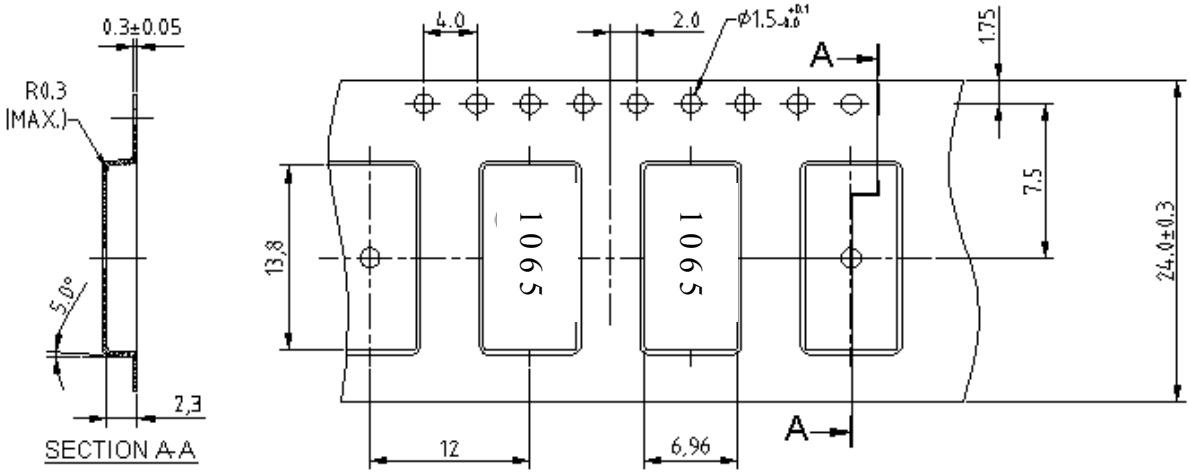


G. Package:

(1). REEL DIMENSION



(2). TAPE DIMENSION



H. Recommended Reflow Profile :