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

Issued Date:

Product Name: SAW Filter 2345 MHz (BW 90MHz) SMD 1.4X1.1 mm

TST Parts No.: TA1704A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Michael Yang 

Approval by:_____ Bob 

Date:_____ 2014/6/25

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 2345MHz

MODEL NO.:TA1704A REV. NO.:1.0

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -40°C to +105°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

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

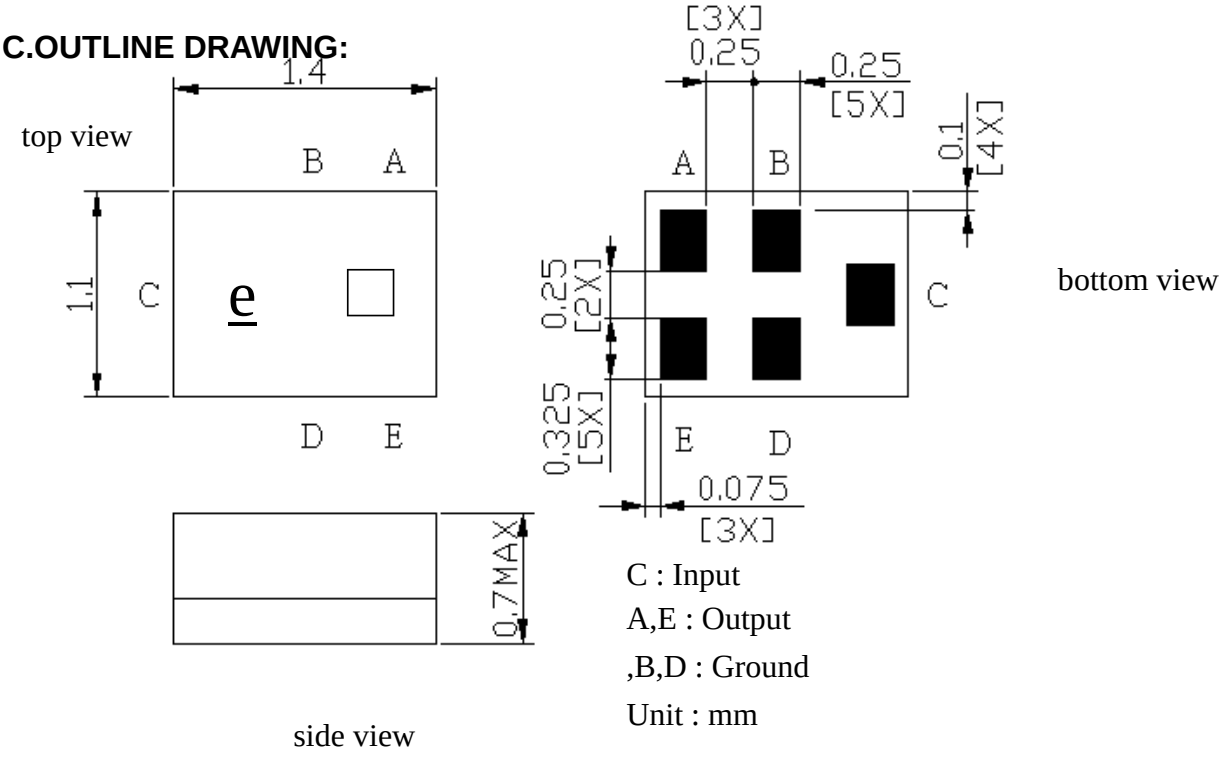
B. ELECTRICAL CHARACTERISTICS:

Terminating source impedance (single) : Zs = 50 Ω

Terminating load impedance (differential) : Z_L = 100 Ω//20nH

Item	Unit	Min.	Type.	Max.	Note
Center Frequency **Fc**	MHz	-	2345	-	-
Insertion Loss (2300~2390 MHz) **IL**	dB	-	2.7	3.2	-
VSWR (2300~2390 MHz)		-	2.4	2.7	-
Amplitude ripple (2300~2390 MHz)	dB	-	1.2	1.7	-
Attenuation					
750 ~ 1980 MHz	dB	40	45	-	-
2110 ~ 2170 MHz	dB	40	45	-	-
2170 ~ 2250 MHz	dB	24	31	-	-
2450 ~ 2550 MHz	dB	18	20	-	-
2550 ~ 6000 MHz	dB	30	35	-	-
Package size	mm	SMD 1.4x1.1			

C.OUTLINE DRAWING:



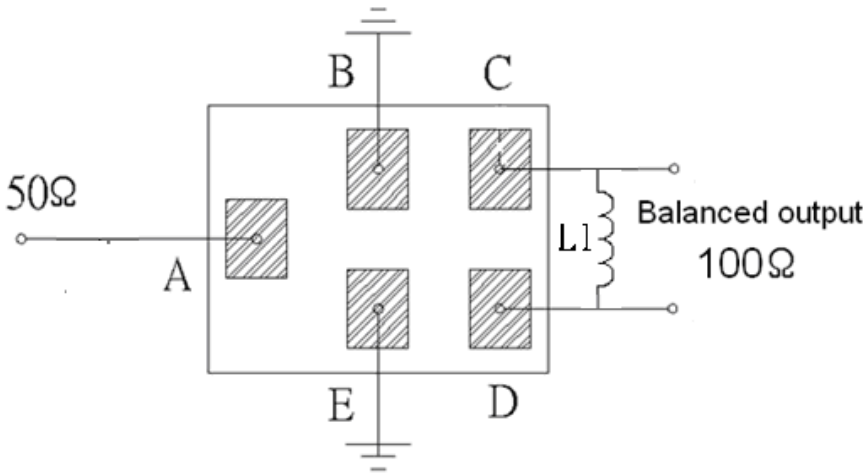
C : Input
A,E : Output
,B,D : Ground
Unit : mm

□ : Year/Month Code (Follow the table)

YEAR/Month	1	2	3	4	5	6	7	8	9	10	11	12
2013	**A**	**B**	**C**	**D**	**E**	**F**	**G**	**H**	**J**	**K**	**L**	**M**
2014	**N**	**P**	**Q**	**R**	**S**	**T**	**U**	**V**	**W**	**X**	**Y**	**Z**
2015	**a**	**b**	**c**	**d**	**e**	**f**	**g**	**h**	**j**	**k**	**l**	**m**
2016	**n**	**p**	**q**	**r**	**s**	**t**	**u**	**v**	**w**	**x**	**y**	**z**
2017	**A**	**B**	**C**	**D**	**E**	**F**	**G**	**H**	**J**	**K**	**L**	**M**
2018	**N**	**P**	**Q**	**R**	**S**	**T**	**U**	**V**	**W**	**X**	**Y**	**Z**
2019	**a**	**b**	**c**	**d**	**e**	**f**	**g**	**h**	**j**	**k**	**l**	**m**
2020	**n**	**p**	**q**	**r**	**s**	**t**	**u**	**v**	**w**	**x**	**y**	**z**

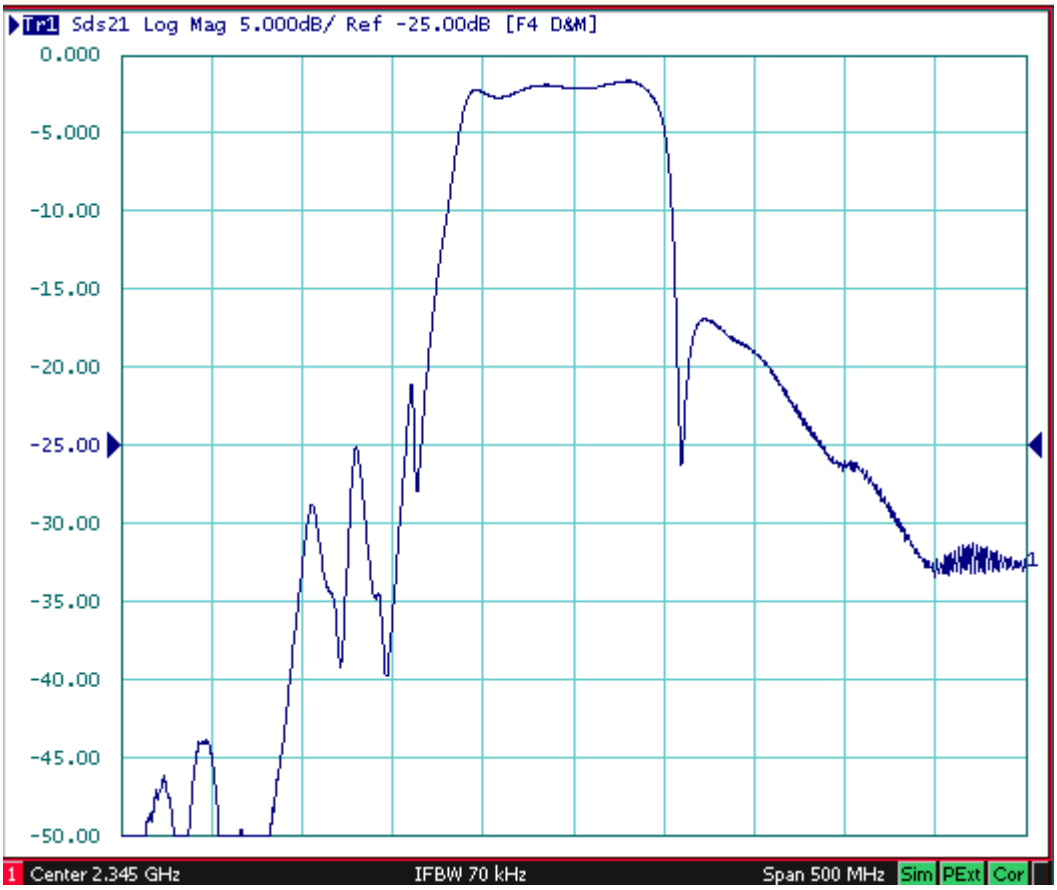
D. MEASUREMENT CIRCUIT:

L1=20nH,



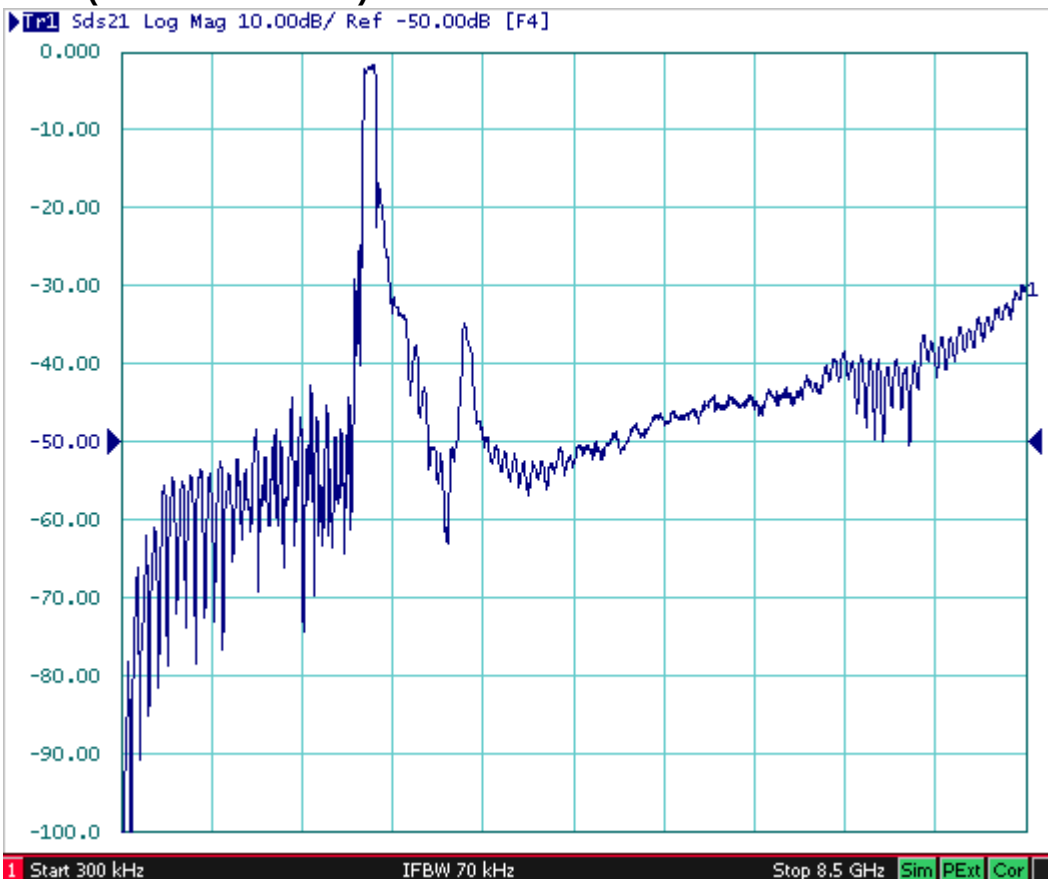
E. Frequency Characteristics :

S21 response: (span 500MHz)

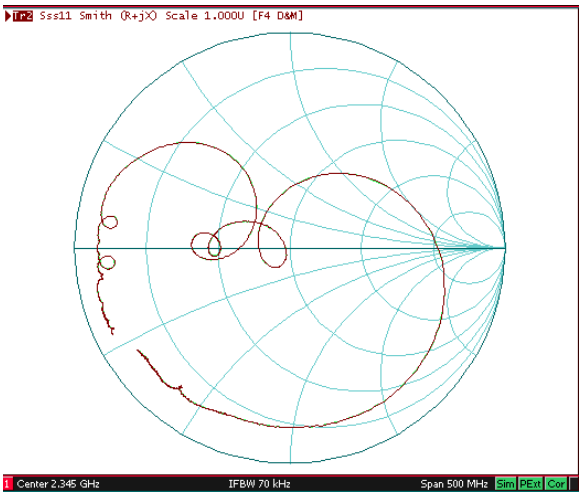


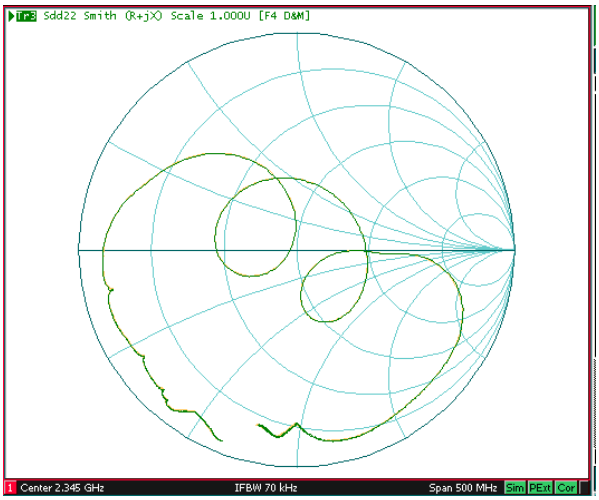
S21 response: (span 200MHz)

S21 response: (300KHz ~ 8.5GHz)



S11/S22 response：

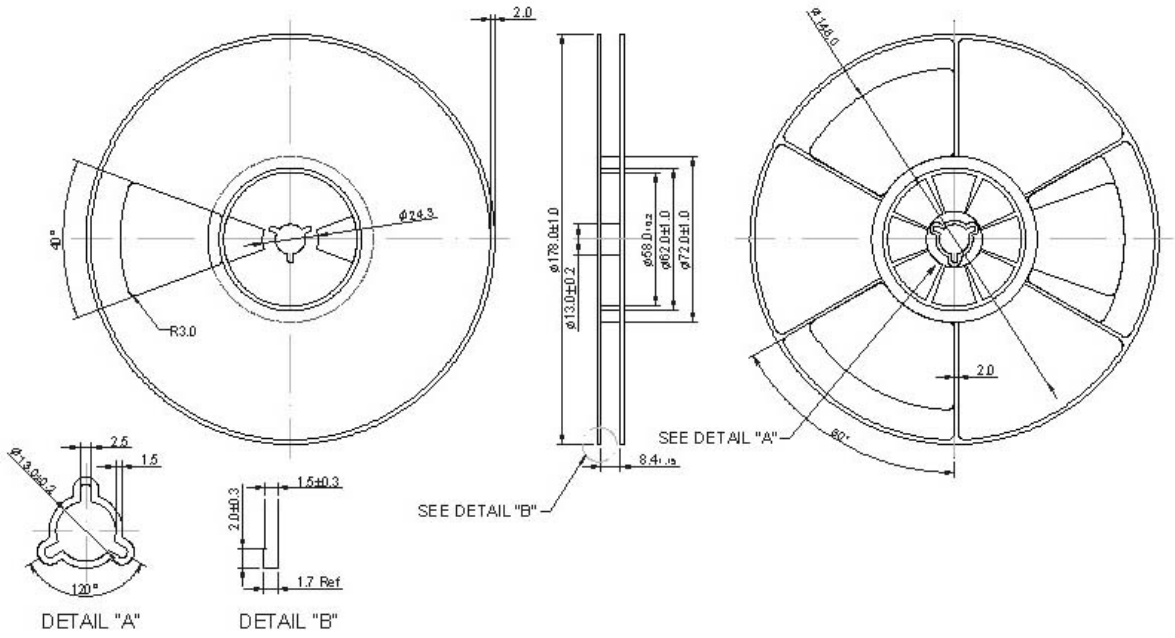




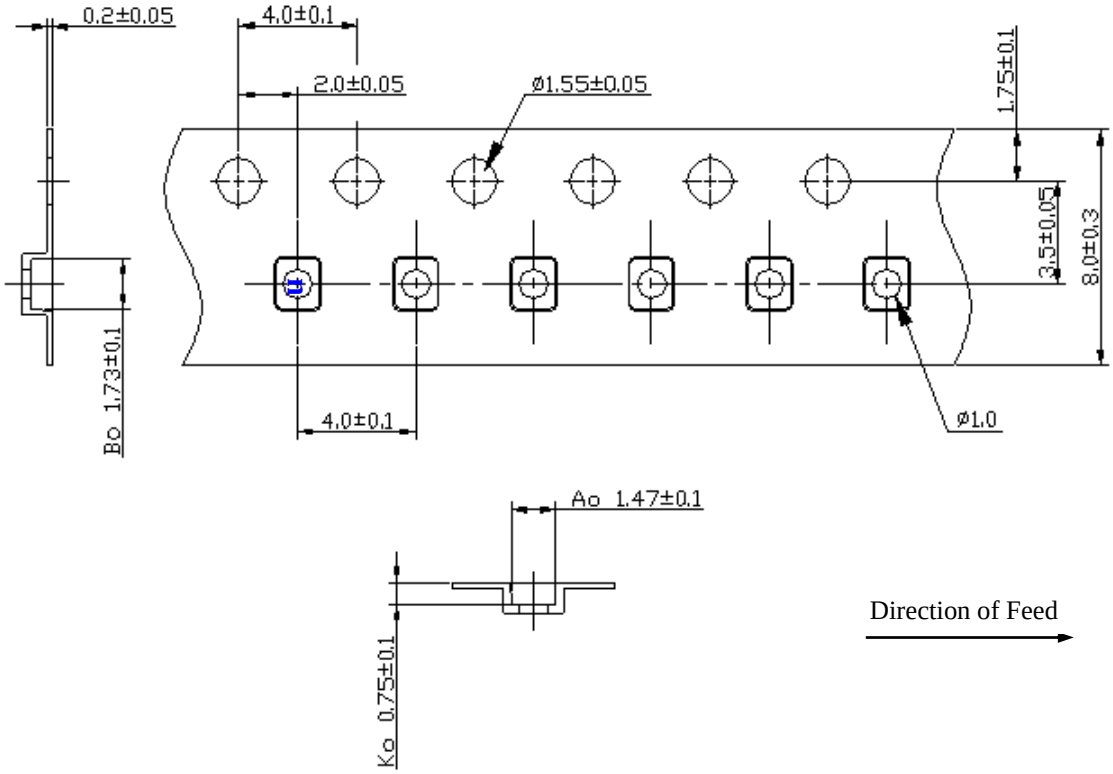
F. PACKING:

1. REEL DIMENSION

(Please refer to FR-75D10 for packing quantity)



2.TAPE DIMENSION



G. RECOMMENDED REFLOW PROFILE :