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 876.5 MHz (BW 35MHz) SMD 1.1X0.9mm

TST Parts No.:TA2016A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Michael Yang _____

Approval by:_____ Andy Yu _____

Date:_____ 2018/07/16 _____

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 876.5 MHz (BW 35MHz) SMD 1.1x0.9x0.5mm

MODEL NO.:TA2016A REV. NO.:2.0

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -40℃ to +85℃
4. Storage Temperature: -55℃ to +125℃
5. Moisture Sensitive Level：Level 1(MSL3)
6. ESD 100V(MM) 200V(HBM)

RoHS Compliant
Lead free
Lead-free soldering

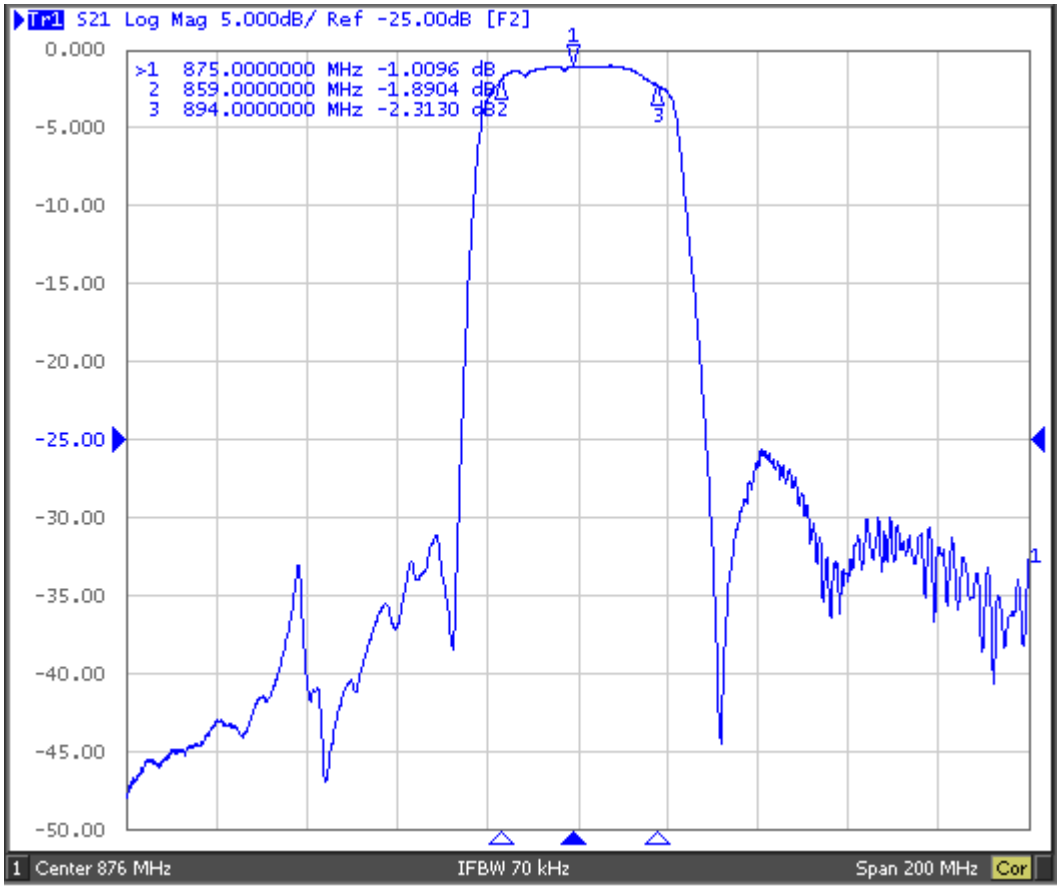
Electrostatic **S**ensitive **D**evice (**ESD**)

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Type.	Max.	Note
Center Frequency **Fc**	MHz	-	876.5	-	-
Insertion Loss (859~894 MHz) **IL**	dB	-	2.1	3	-
(859~894 MHz) **IL**	dB	-	2.1	2.5	23 to 27℃
VSWR (859~894 MHz)		-	2	2.3	-
Amplitude ripple (859~894 MHz)	dB	-	1.2	2.2	-
Attenuation					
1 ~ 447 MHz	dB	40	46	-	-
814 ~ 849 MHz	dB	30	35	-	-
849 ~ 854 MHz	dB	3	22	-	-
849 ~ 854 MHz	dB	10	22	-	23 to 27℃
909 ~ 979 MHz	dB	25	32	-	-
979 ~ 6000 MHz	dB	20	34	-	-
6013 ~ 6258 MHz	dB	20	34	-	-
6258 ~ 12750 MHz	dB	10	15	-	-
Package size	mm	SMD 1.1x0.9			

C.FREQUENCY CHARACTERISTICS:

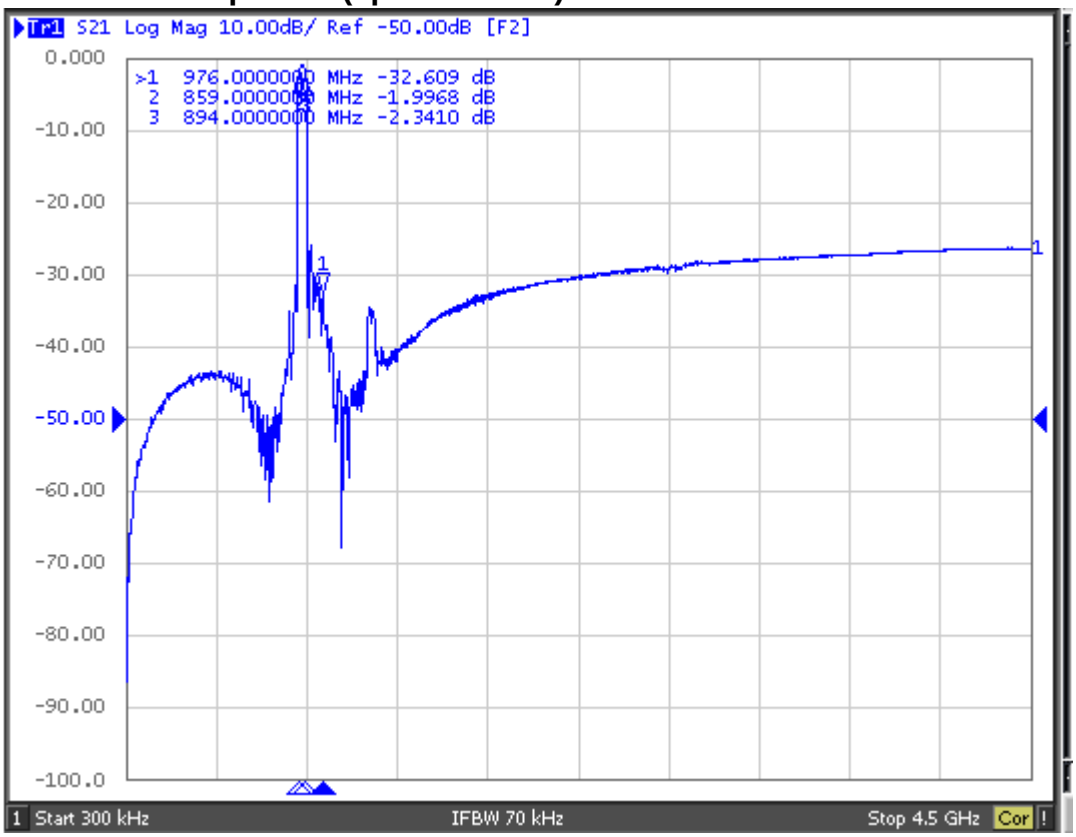
S21 response: (span 200MHz)



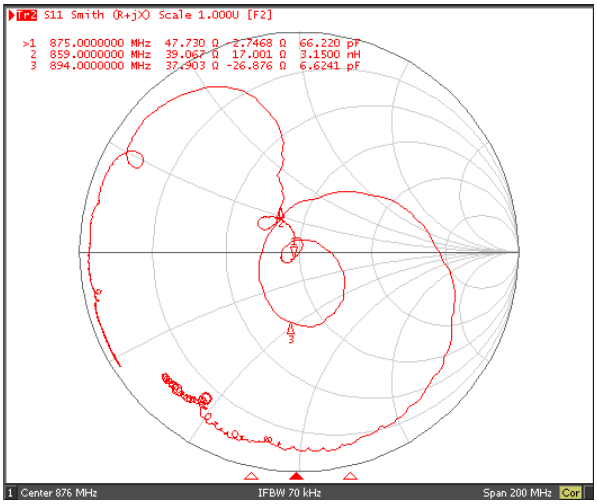
S21 response: (span 100MHz)

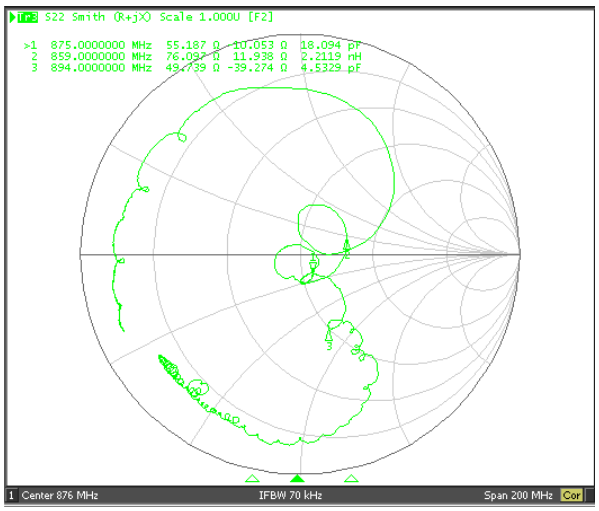


S21 response: (span 100MHz)

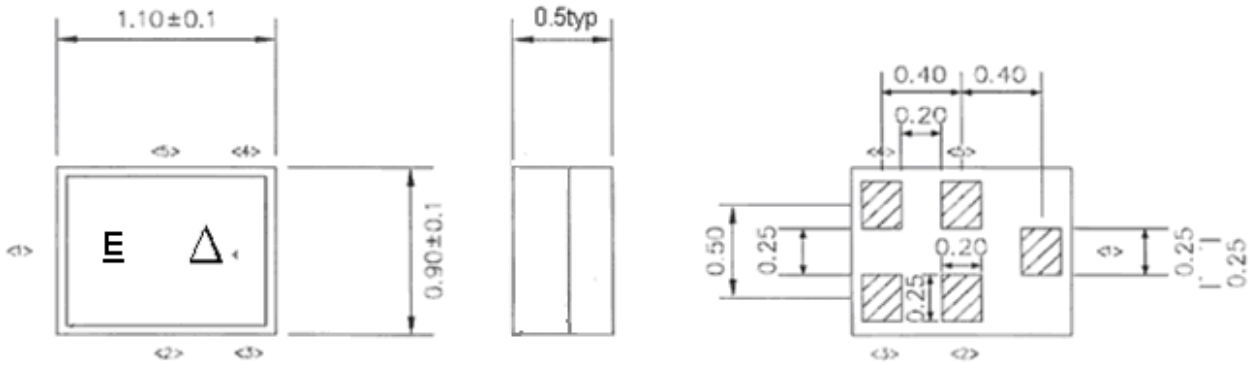


S11/S22：





D.OUTLINE DRAWING:

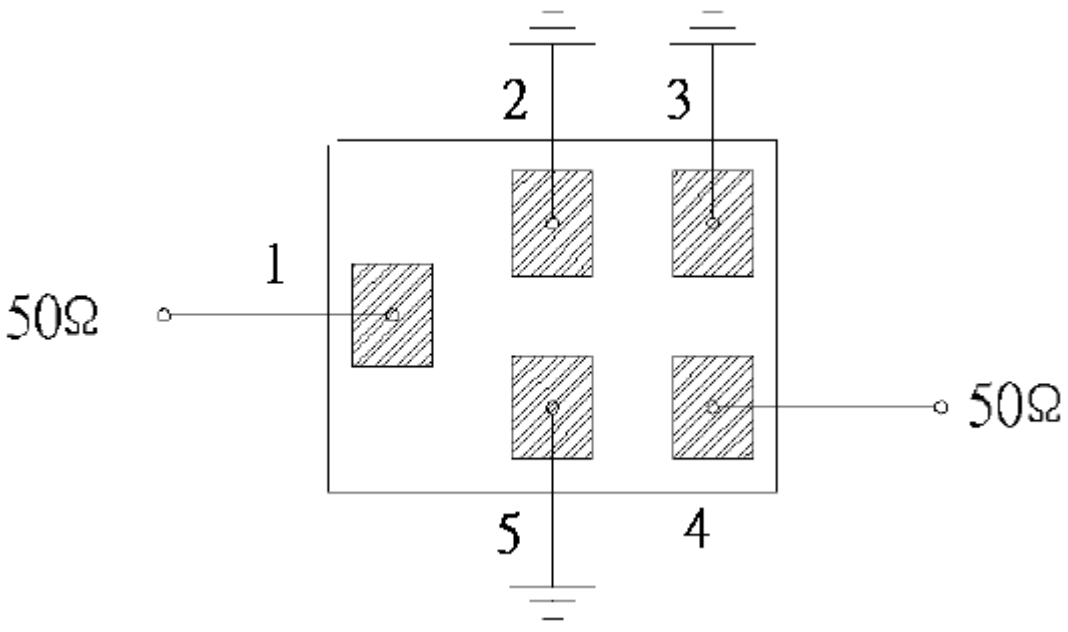


Unit: mm

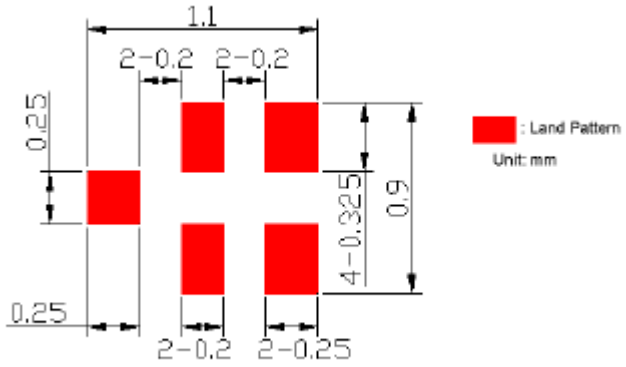
Pin No.	Symbol	Function
1	IN	Unbalanced pin
2	GND	Ground
3	GND	Ground
4	OUT	Unbalanced pin
5	GND	Ground

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**

E. MEASUREMENT CIRCUIT:



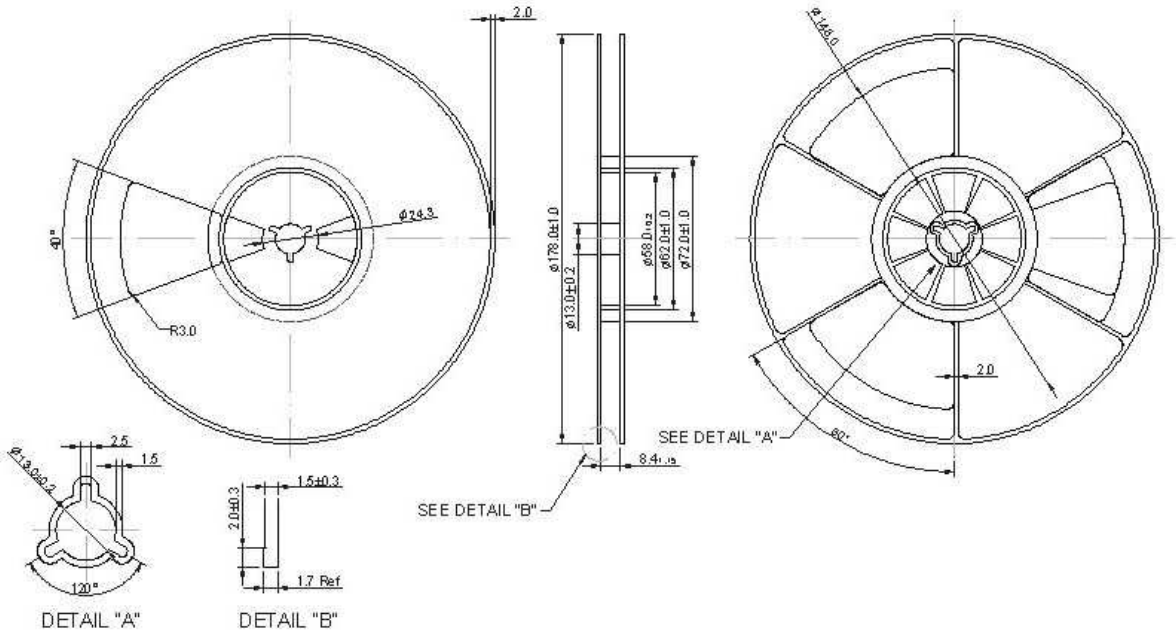
F. FOOT PRINT：



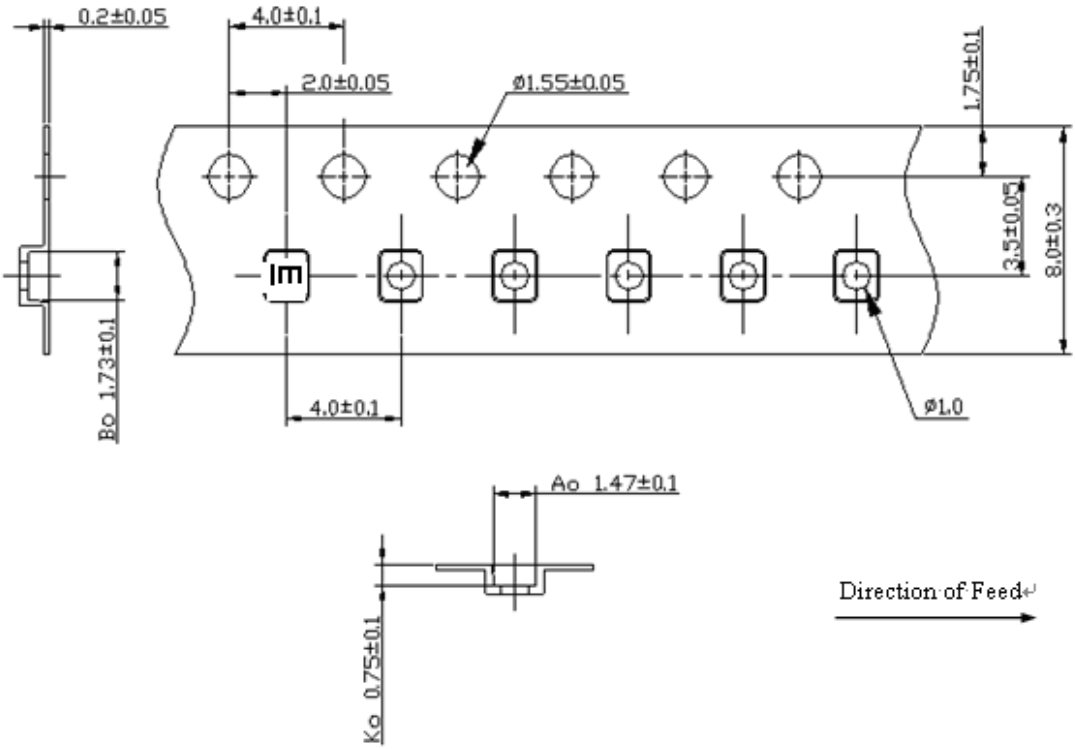
G. PACKING:

1. REEL DIMENSION

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



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 260℃+0/-5℃ peak (20~40sec).
4. Time: 2 times.

