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 2441.75MHz (BW 83.5MHz) SMD 1.4X1.1mm

TST Parts No.:TA2269B

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Michael Yang _____

Approval by:_____ Andy Yu _____

Date:_____ 2018/8/16 _____

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 2441.75MHz (BW 83.5MHz) SMD 1.4x1.1mm

MODEL NO.:TA2269B REV. NO.:2.0

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -30℃ to +85℃
4. Storage Temperature: -40℃ to +105℃
5. Moisture Sensitivity Level: Level 3(MSL3)

RoHS Compliant
Lead free
Lead-free soldering

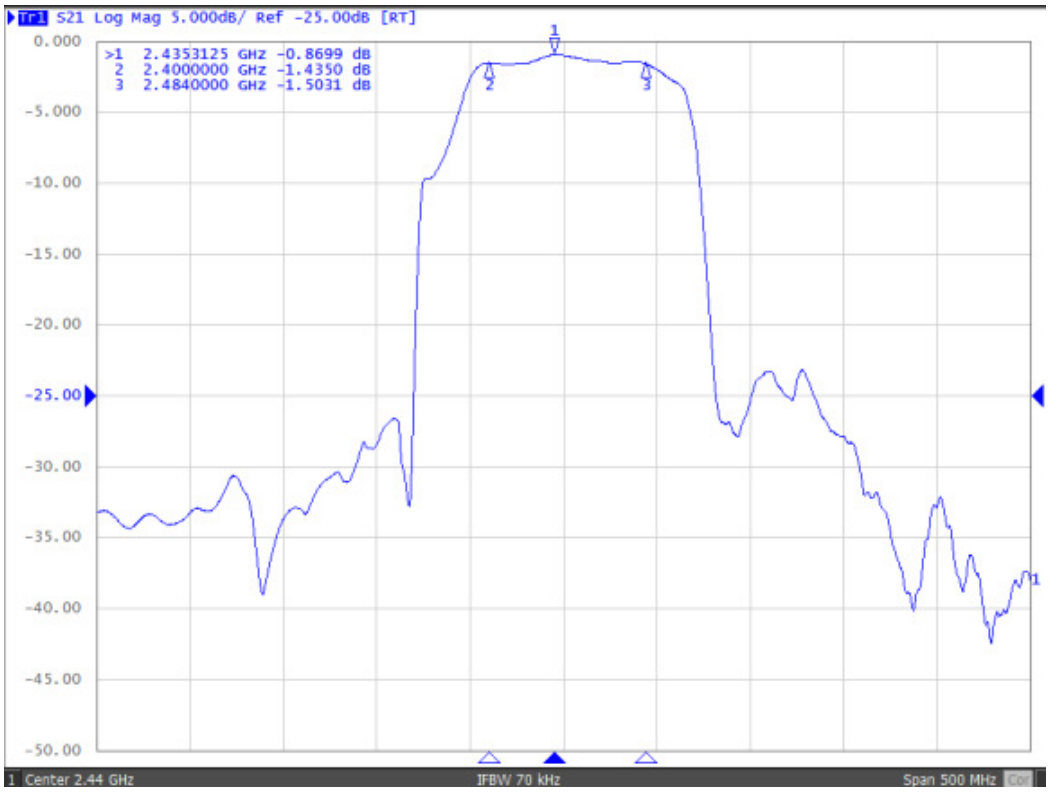
Electrostatic **S**ensitive **D**evice (**ESD**)

B. ELECTRICAL CHARACTERISTICS:

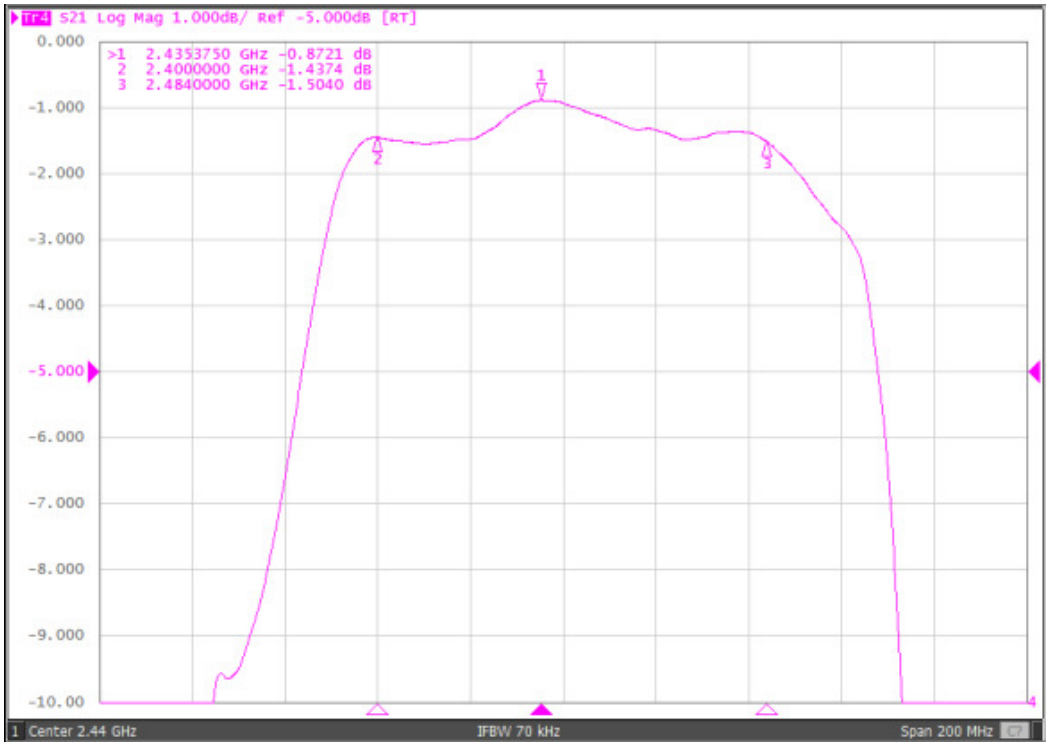
Item	Unit	Min	Type.	Max
Center Frequency Fc	MHz	-	2441.75	-
Insertion Loss IL 2400 ~ 2483.5 MHz	dB		1.5	2.2
Amplitude ripple 2400 ~ 2483.5 MHz			0.7	1.2
VSWR 2400 ~ 2483.5 MHz			2.0	2.2
Attenuation				
0.1 – 960 MHz	dB	37	42	
1570 – 1990 MHz	dB	37	42	
2110 – 2170 MHz	dB	30	35	
2170 – 2300 MHz	dB	26	31	
2300 – 2320 MHz	dB	25	30	
2320 – 2345 MHz	dB	22	27	
2345 – 2365 MHz	dB	5	10	
2550 – 2800 MHz	dB	18	23	
2800 – 4000 MHz	dB	25	30	
4000 – 5000 MHz	dB	25	30	
Temperature coefficient	ppm/℃	-18		
Package size	mm	SMD 1.4x1.1		

C.FREQUENCY CHARACTERISTICS:

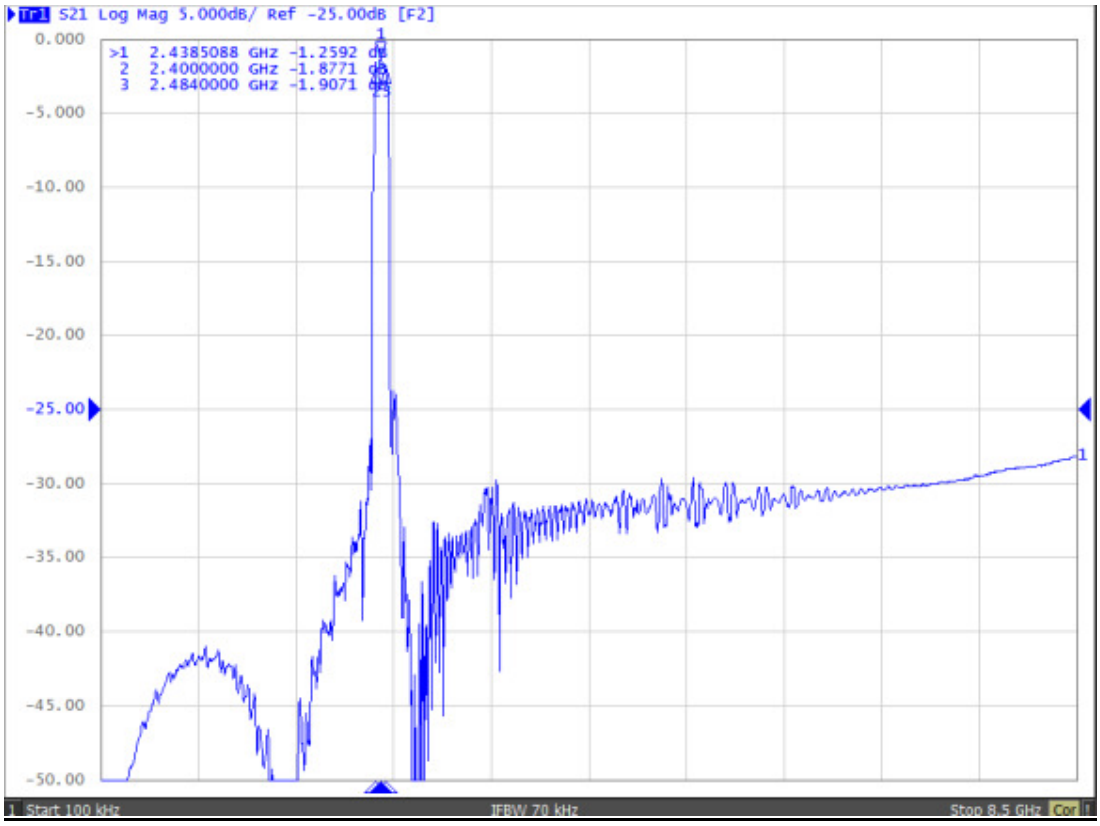
S21 response: (span 500MHz)



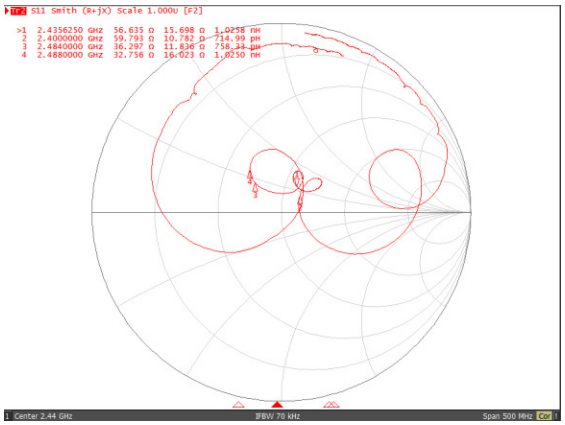
S21 response: (span 200MHz)

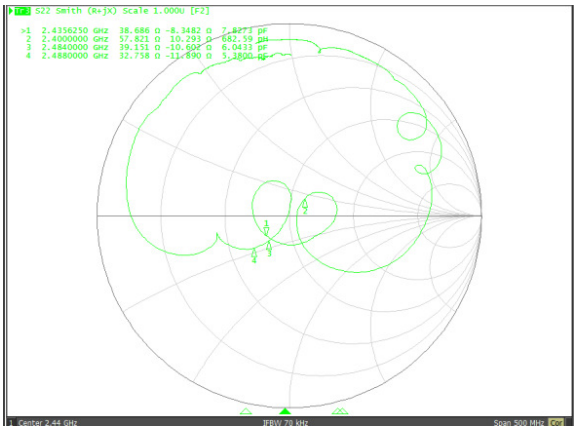


S21 response: (span 8.5GHz)

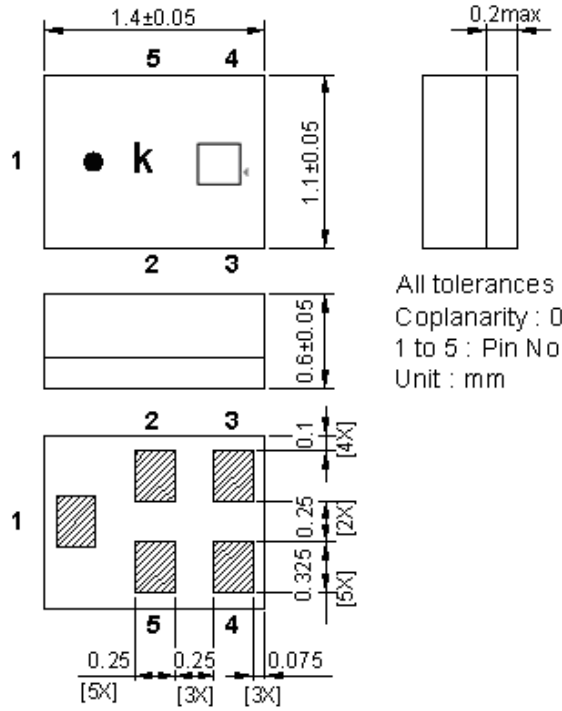


S11/S22 response:





D.OUTLINE DRAWING:



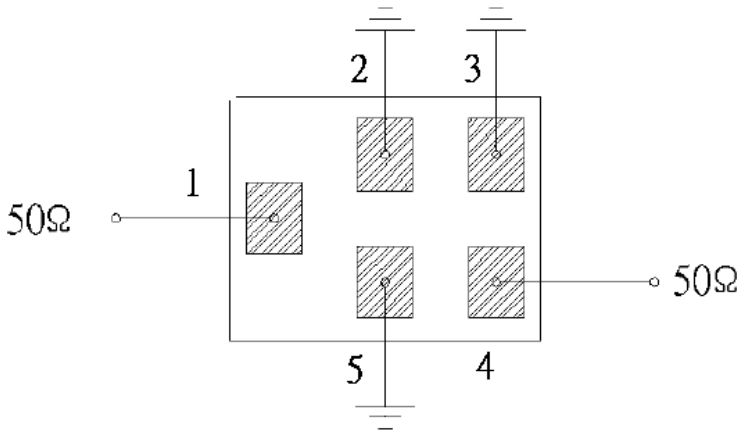
All tolerances are +/-0.05 mm unless otherwise specified
Coplanarity : 0.1 mm max.
1 to 5 : Pin No.
Unit : mm

Pin No.	Symbol	Function
1	IN	Input
2	GND	Ground
3	GND	Ground
4	OUT	Output
5	GND	Ground

□ : 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**

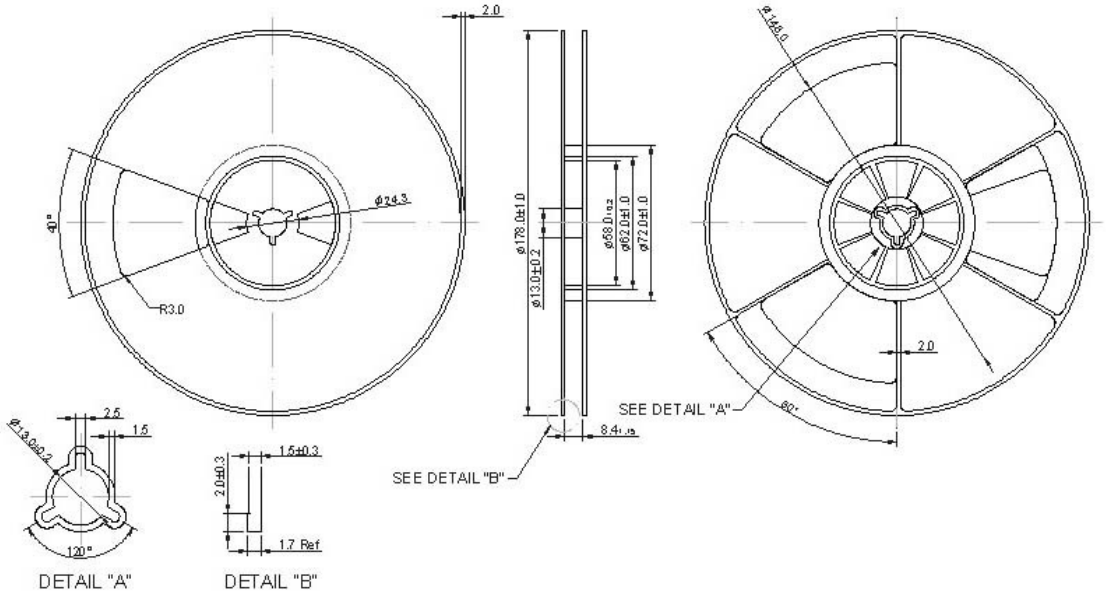
E. MEASUREMENT CIRCUIT:



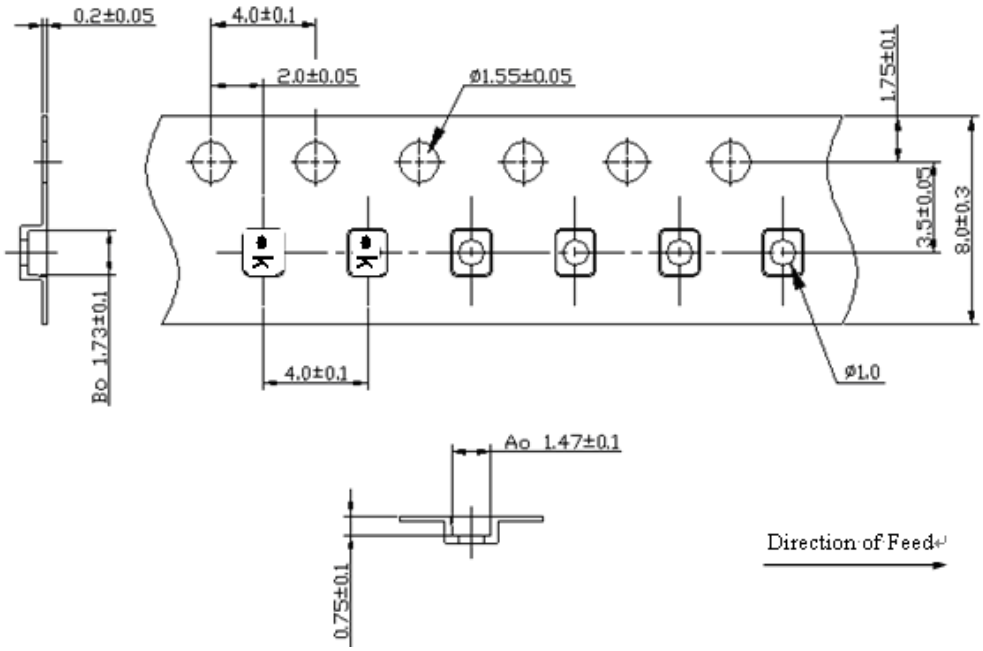
F. PACKING:

1. REEL DIMENSION

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



2. TAPE DIMENSION



G. 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.