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Product Specifications Approval Sheet

Product Name: SAW Filter 231.25MHz SMD 5.0x5.0 mm (BW=12MHz)

TST Parts No.: TA2478A

Customer Parts No.: _____

Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: _____ Hong Pu Lin *Hong Pu Lin*

Approval by: _____ Andy Yu *Andy Yu*

Date: _____ 2018/12/10

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.

SAW Filter 231.25MHz

MODEL NO.: TA2478A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 10 dB_m
2. DC voltage: 5 V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C
5. Moisture Sensitivity Level: Level 1(MSL1)

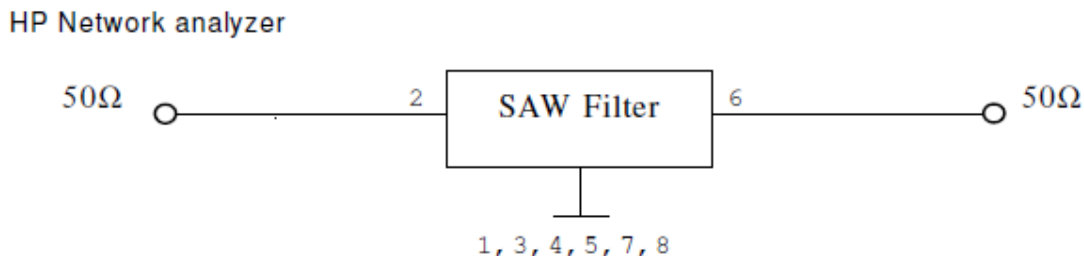
RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device (ESD)

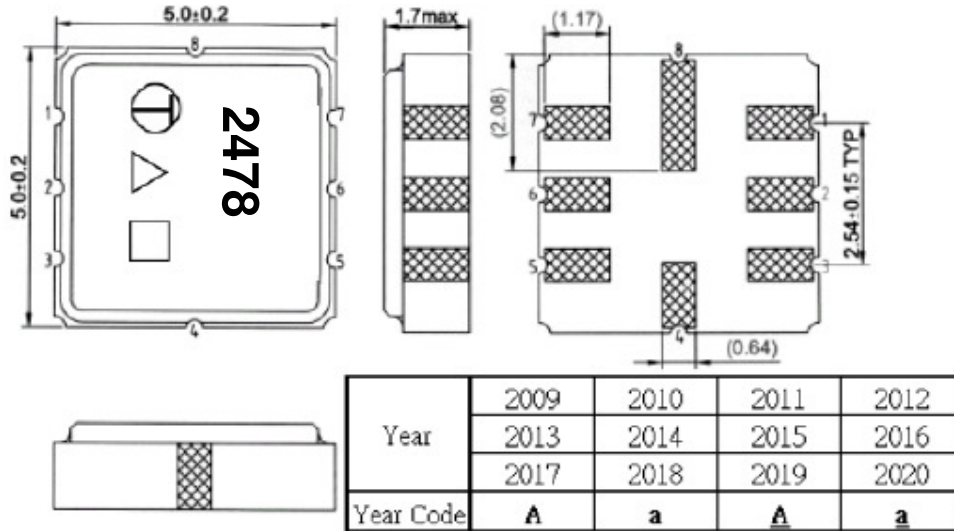
B. ELECTRICAL CHARACTERISTICS:

Item	Unit	min	type	Max
Center Frequency Fc	MHz		231.25	
Insertion Loss 225.25~237.25MHz IL	dB		2	3.5
Amplitude Ripple 225.25~237.25MHz	dB		0.6	1.5
Absolute Delay 225.25~237.25MHz	ns		70	150
Group Delay Ripple 225.25~237.25MHz	ns		30	70
Passband 770~810MHz	MHz	12	16	
Attenuation (Reference level from 0dB)				
10~195 MHz	dB	38	42	
268.75~330 MHz	dB	35	43	
330~950 MHz	dB	18	24	
Temperature Coefficient of Frequency	ppm/°C	-75 typ		

C. MEASUREMENT CIRCUIT:



D. OUTLINE DRAWING:



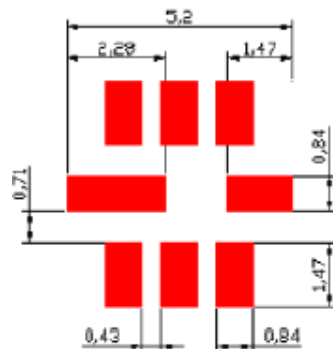
- #2 : Input
- #6 : Output
- #4、8 : Case Ground
- #1、3、5、7 : Ground
- Δ : Year Code
- : Data Code

Date Code Table:

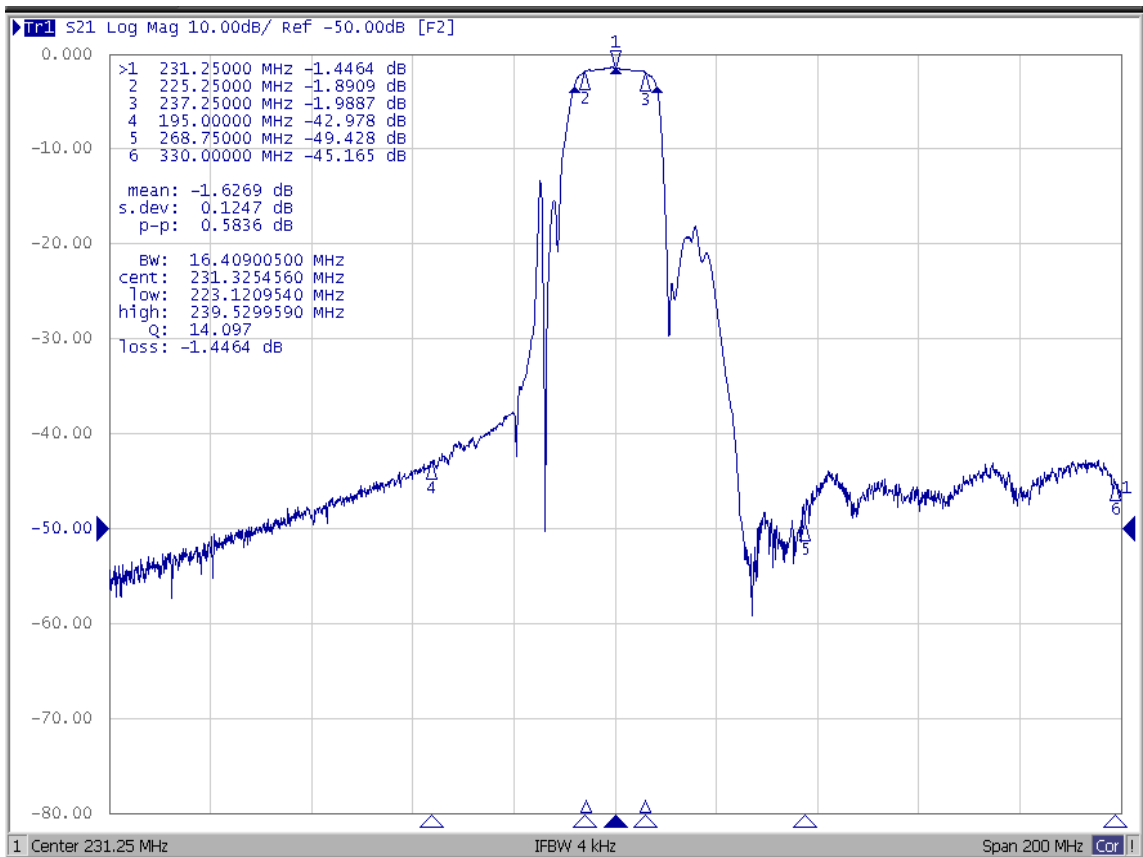
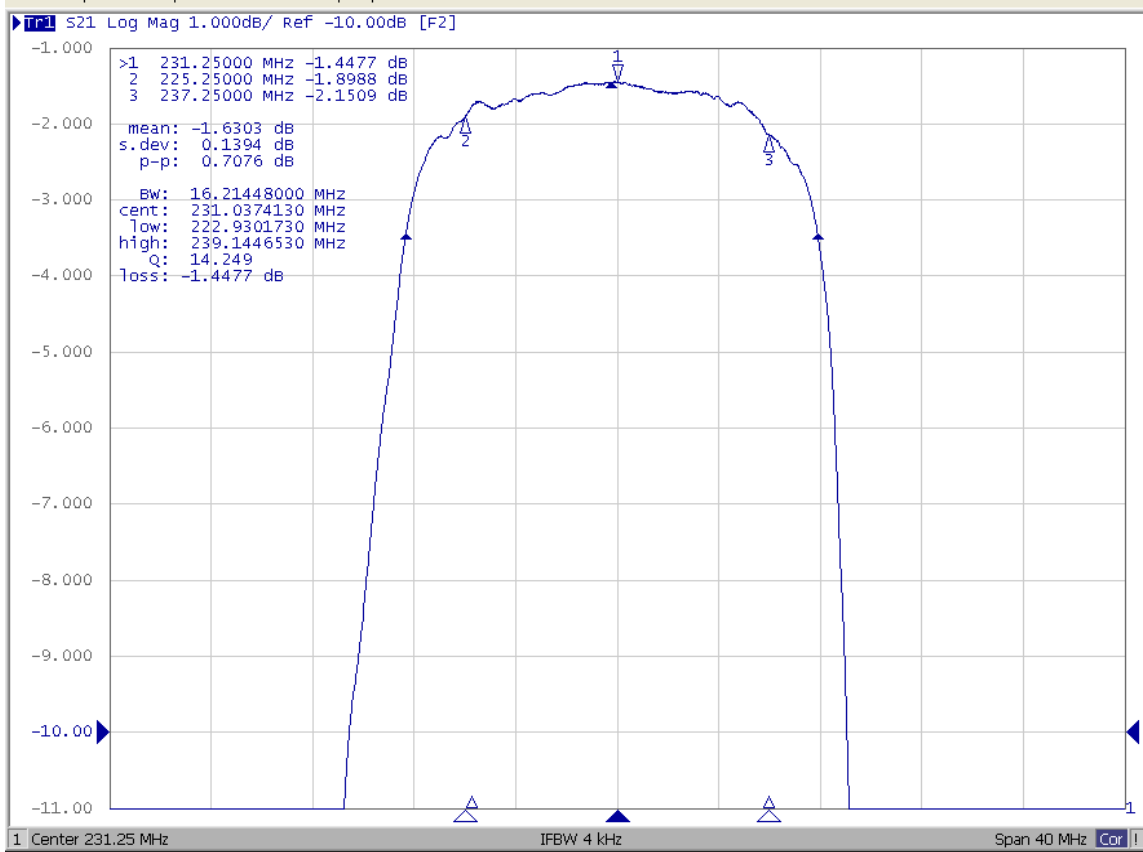
WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	WK15	WK16	WK17	WK18	WK19	WK20	WK21	WK22	WK23	WK24	WK25	WK26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	WK28	WK29	WK30	WK31	WK32	WK33	WK34	WK35	WK36	WK37	WK38	WK39
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	WK41	WK42	WK43	WK44	WK45	WK46	WK47	WK48	WK49	WK50	WK51	WK52
n	o	p	q	r	s	t	u	v	w	x	y	z

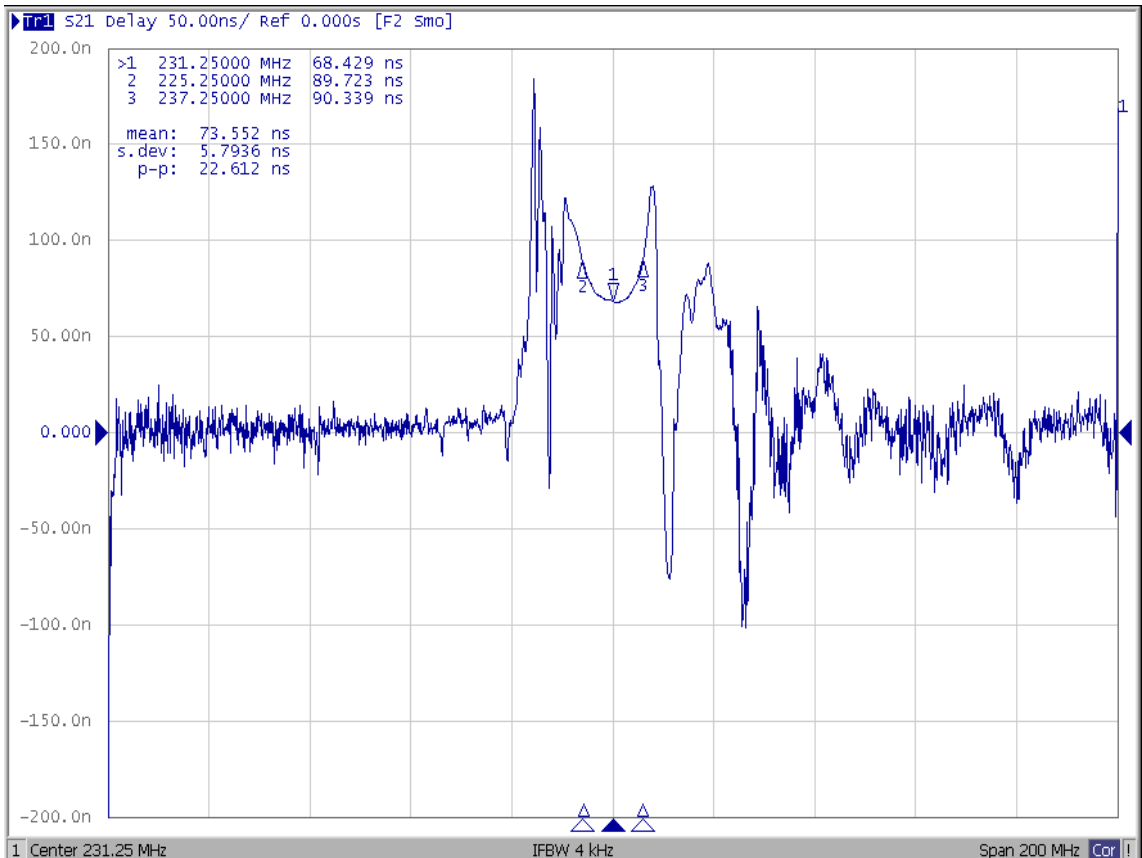
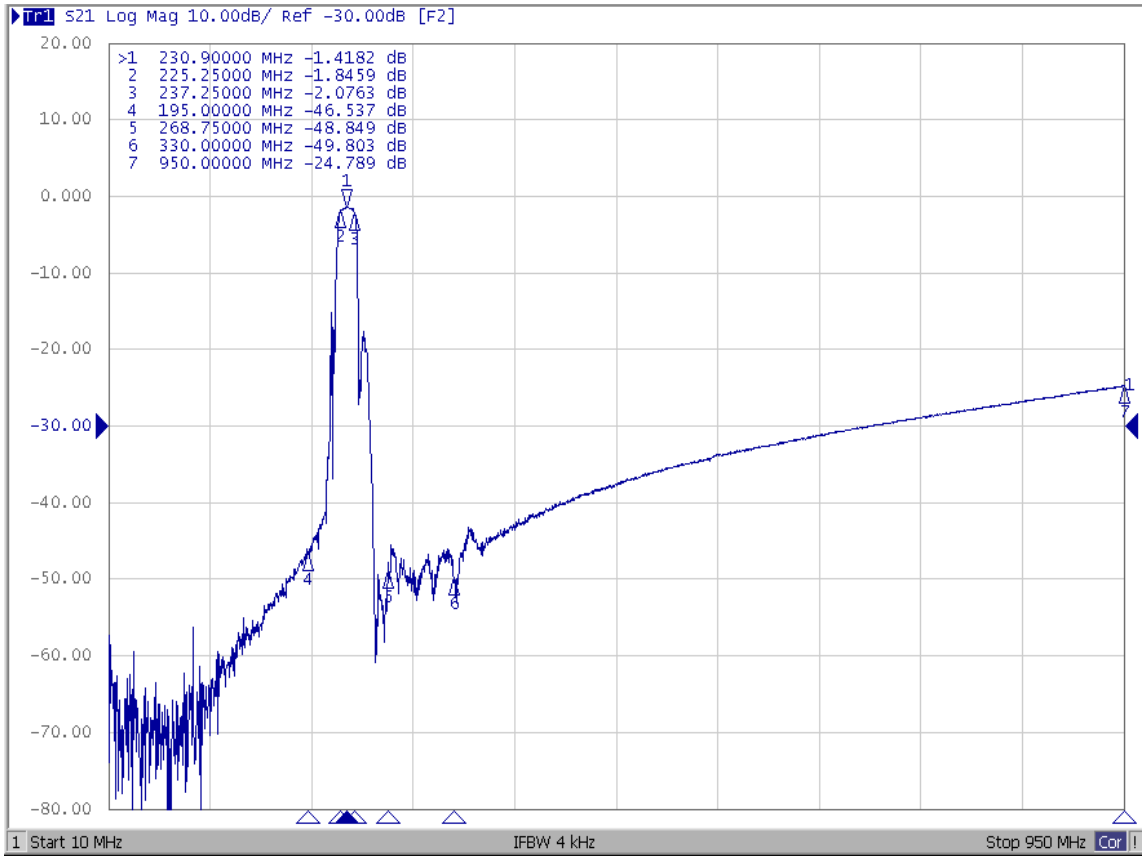
E. PCB Footprint:

4



F. Frequency Characteristics:

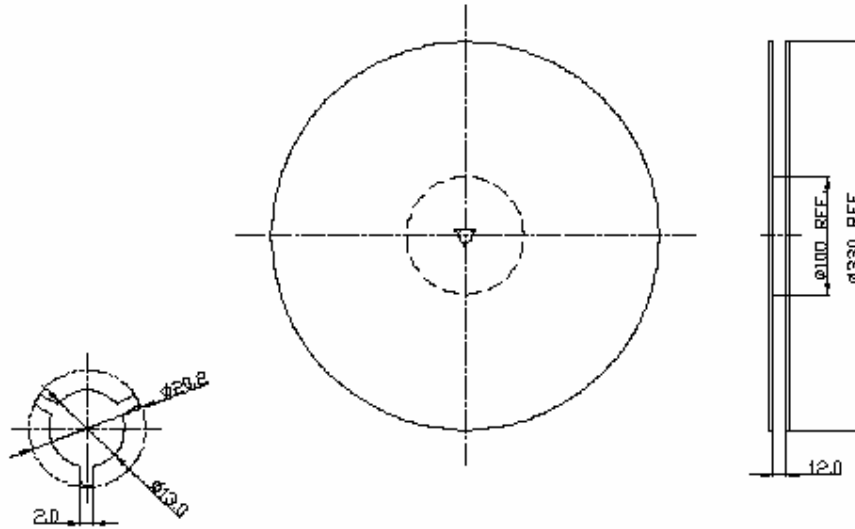




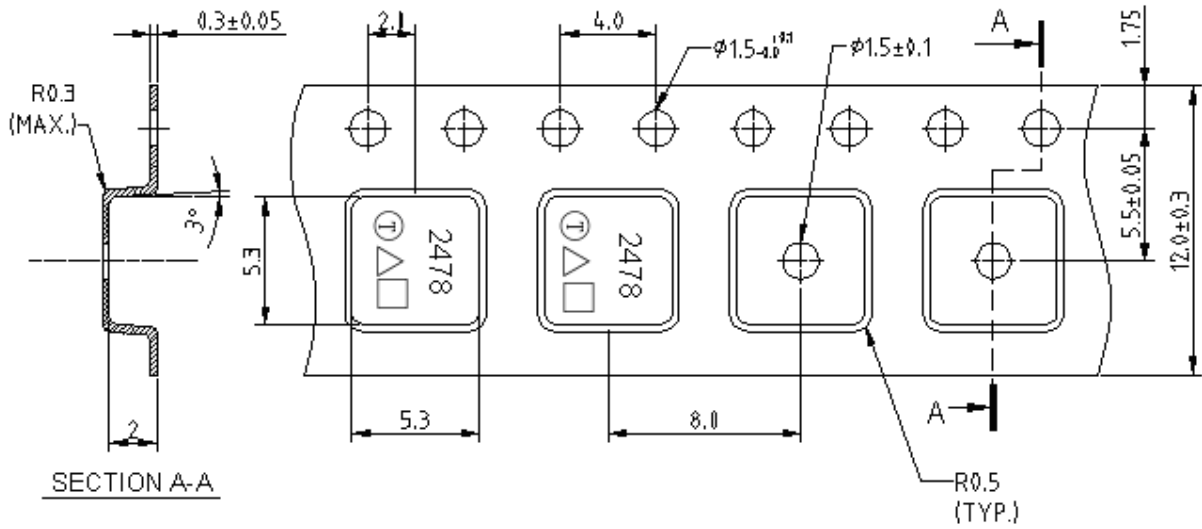
G. PACKING: (Ref. WI-75M03)

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°C for 60~90 seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
3. Heating shall be fixed at 220°C for 50~80 seconds and at 260°C+0/-5°C peak (20~40sec).
4. Time: 2 times.

