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:March , 23, 2012

Product Name: SAW Filter 246 MHz SMD 5.0x5.0 mm(BW=0.2MHz)

TST Parts No.:TA1472A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Paul Ni 倪明輝 _____

Approval by:_____ Francis Chen _____

Date:_____ 03, 23, 2012 _____

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 246 MHz

MODEL NO.:TA1472A REV. NO：1.0

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 0V
3. Operating Temperature: -20°C to +70°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

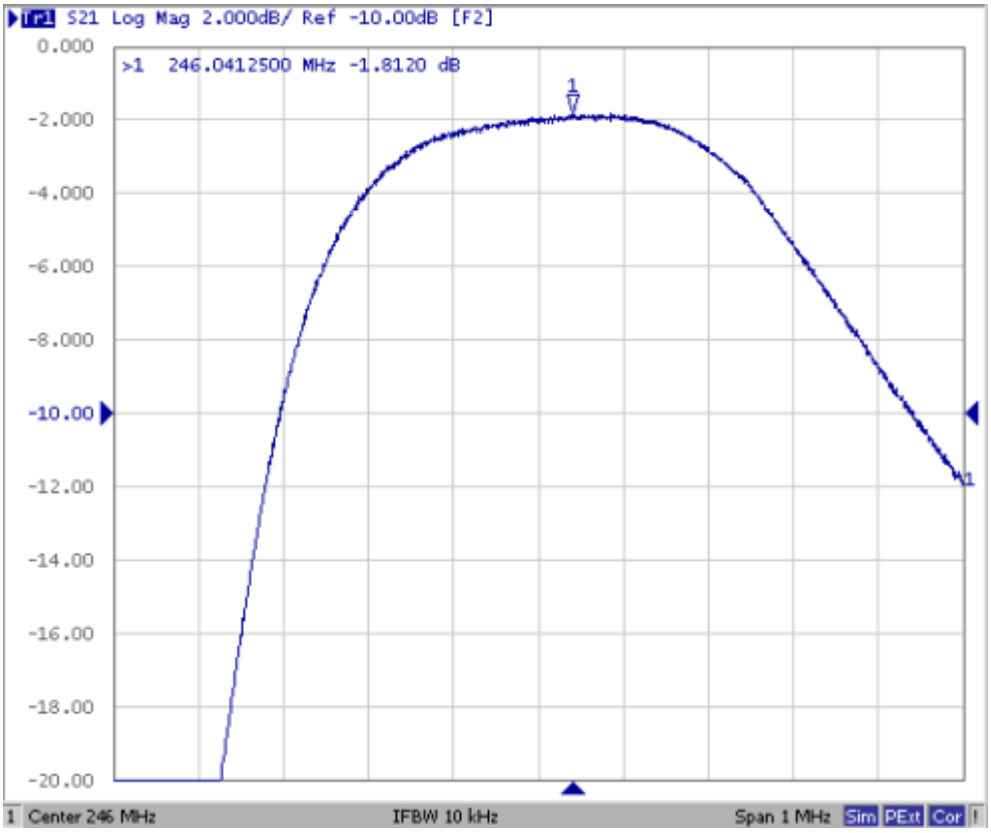
Electrostatic **S**ensitive **D**evice

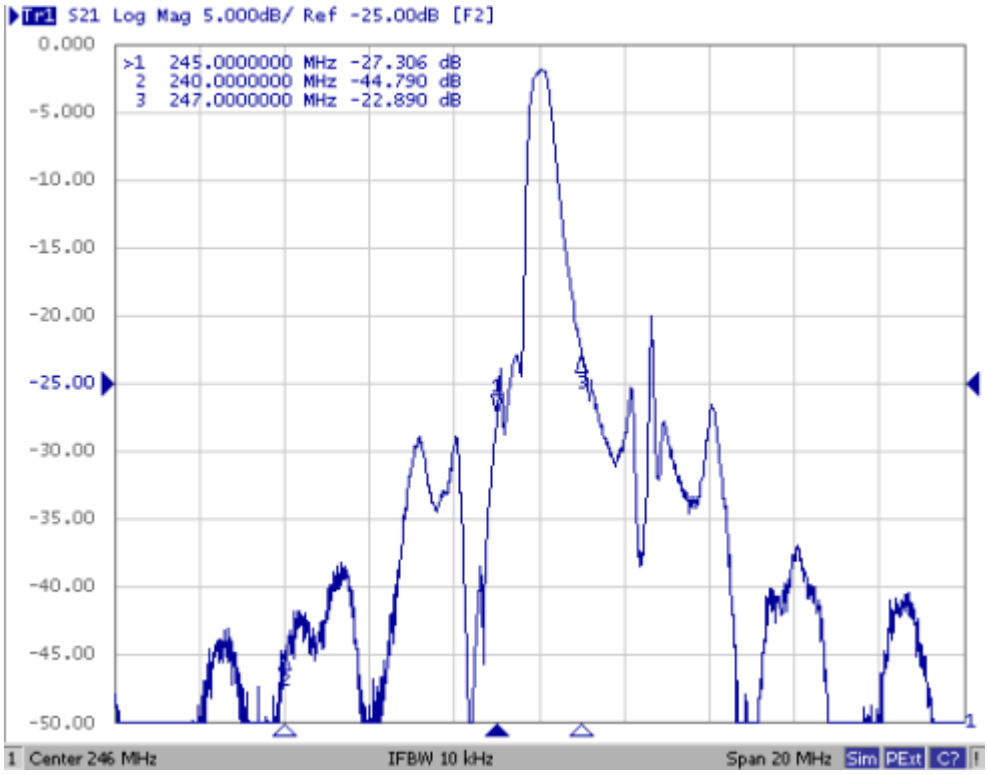
B. ELECTRICAL CHARACTERISTICS:

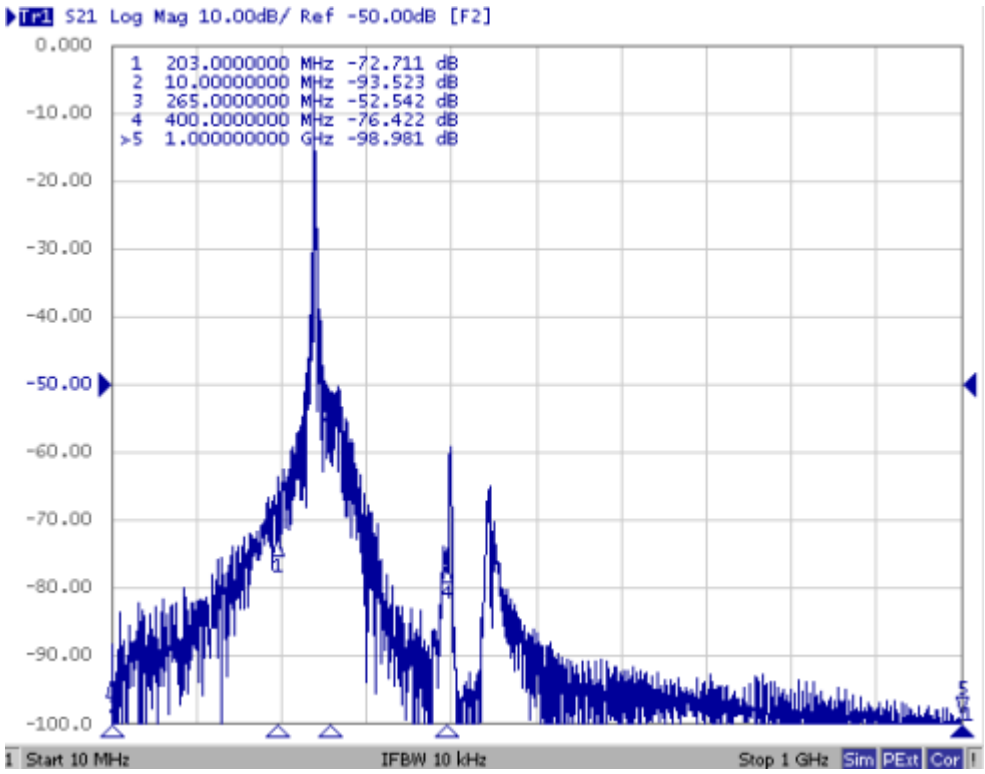
Item		Unit	Min.	Typ.	Max.
Center frequency	**Fc**	MHz	-	246	-
1dB BW		KHz	200	350	-
3dB BW		KHz	-	500	-
Minimum insertion loss	**IL(min)**				
Exclude loss in matching elements *1)		dB	-	1.9	3.2
Incl. loss of matching elements *2)		dB	-	2.1	3.4
Passband (relative to IL_{min}) *1)					
245.90 ~ 246.10 MHz		dB	-	0.5	1.5
Attenuation (relative to IL_{min}) *1)					
10.000 ~ 203.00	MHz	dB	50	65	-
203.00 ~ 240.00	MHz	dB	33	41	-
240.00 ~ 245.00	MHz	dB	15	25	-
247.00 ~ 265.00	MHz	dB	10	18	-
265.00 ~ 400.00	MHz	dB	39	47	-
400.00 ~ 1000.0	MHz	dB	50	57	-
Temperature Coefficient		ppm/oC2		-0.036	
Impedance at Fc, Input *1) **Zin = Rin//Cin**	Zs	Ω		2195Ω//1.9pF	
Impedance at Fc, Output *1) **Zout = Rout//Cout**	Z_L	Ω		2915Ω//1.68pF	

*1)： The matching circuit is ideal by simluation.
*2)： The matching circuit is real by actual passive components.
0805 Coillcraft CS series chip conductor is used for inductor.
0402 muRata GRM series is used for capacitor.

C. Frequency Characteristics :

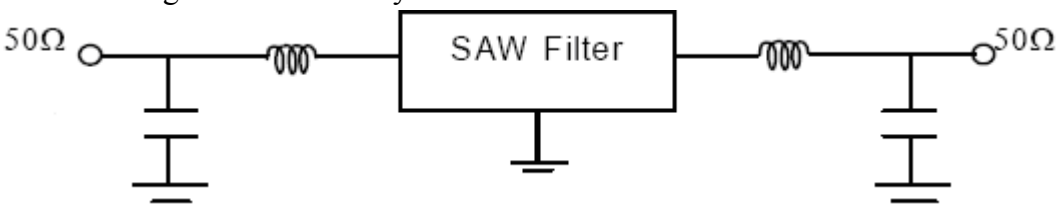






D. MEASUREMENT CIRCUIT:

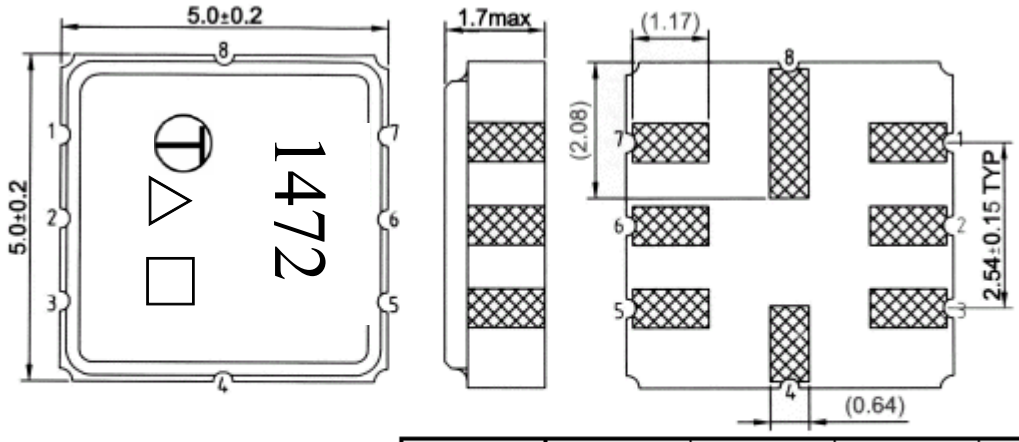
The matching circuit is ideal by simulation



L1：212nH , L2：245nH (Ideal value)

C1：0pF , C2：0pF (Ideal value)

E.OUTLINE DRAWING:



Year	2009	2010	2011	2012
	2013	2014	2015	2016
	2017	2018	2019	2020
Year Code	**A**	**a**	**A**	**a**

#2：Input

#6：Output

#4、8：Case Ground

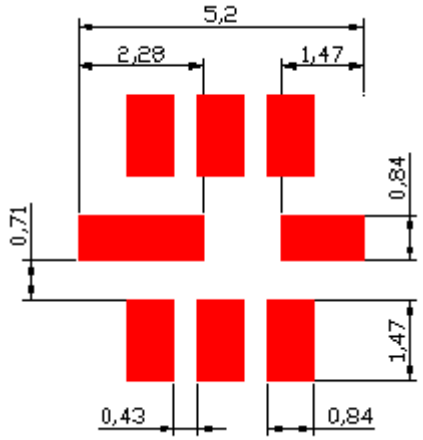
#1、3、5、7：Ground

Δ：Year Code

□：Data Code

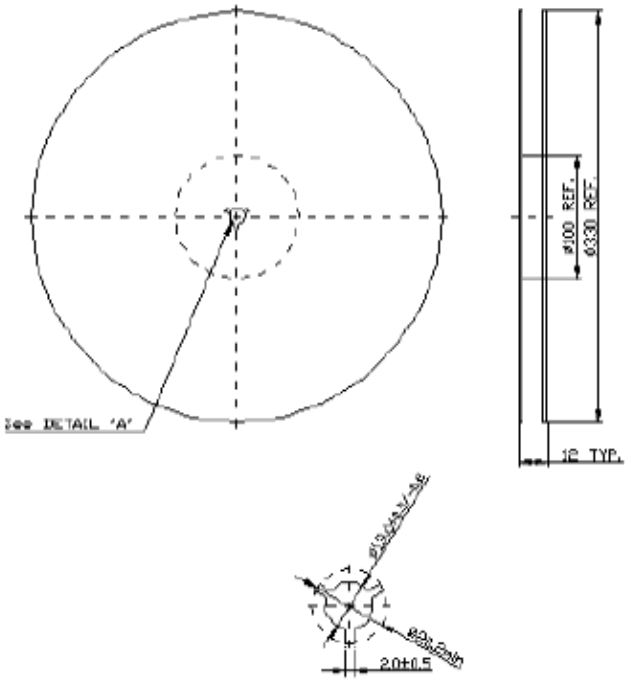
WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	**WK15**	**WK16**	**WK17**	**WK18**	**WK19**	**WK20**	**WK21**	**WK22**	**WK23**	**WK24**	**WK25**	**WK26**
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	**WK28**	**WK29**	**WK30**	**WK31**	**WK32**	**WK33**	**WK34**	**WK35**	**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

F. PCB Footprint:

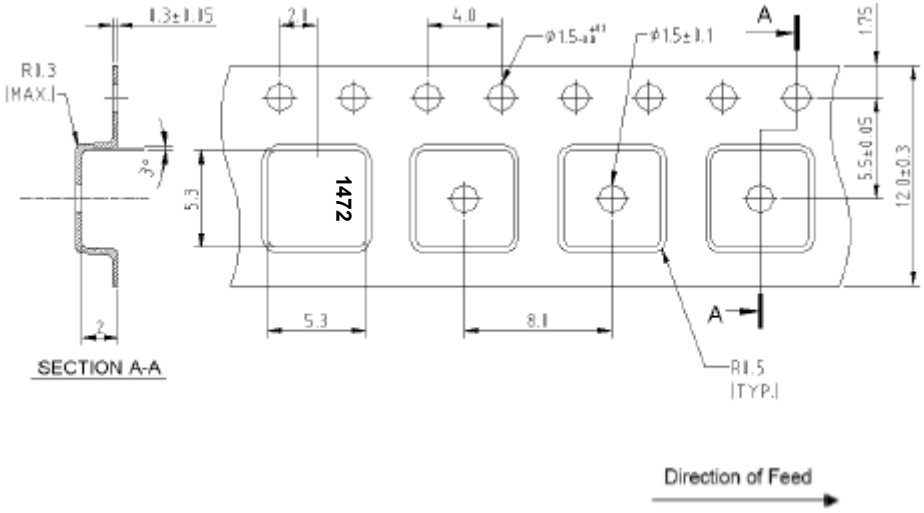


G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :