



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
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Product Specification Approval Sheet

Product Name: Differential SAW Filter 1120 MHz SMD 3.0X3.0 mm

TST Parts No.:TA0267A

Customer Parts No.:_____

Customer signature required

Company:_____

Division:_____

Approved by : _____

Date:_____

Checked by:_____ Anne Chen

Approved by:_____ Bob Chau

Date:_____ 11, 05, 2014

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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Differential SAW Filter 1120 MHz SMD 3X3mm

MODEL NO.: TA0267A

REV. NO.2

A. MAXIMUM RATING:

1. Operating Temperature: -10°C ~ +85°C
2. Storage Temperature: -40°C ~ +85°C

RoHS Compliant
Lead free
Lead-free soldering

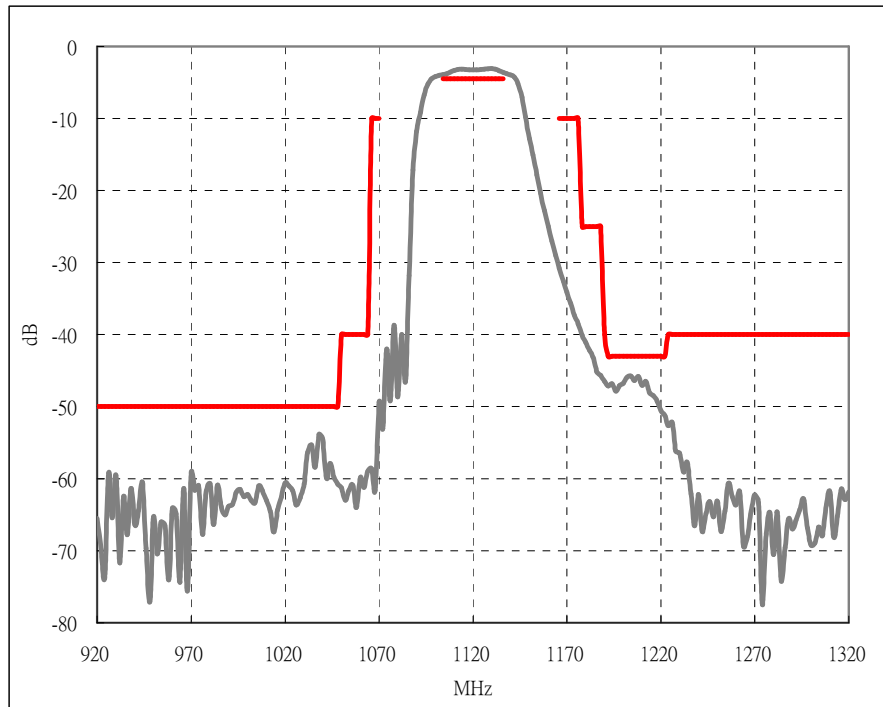
B. Characteristics :

1. Balanced to Balanced operation
2. Terminating source impedance : $Z_s = 200 \Omega // 50 \text{ nH}$
3. Terminating load impedance : $Z_L = 200 \Omega // 30 \text{ nH}$

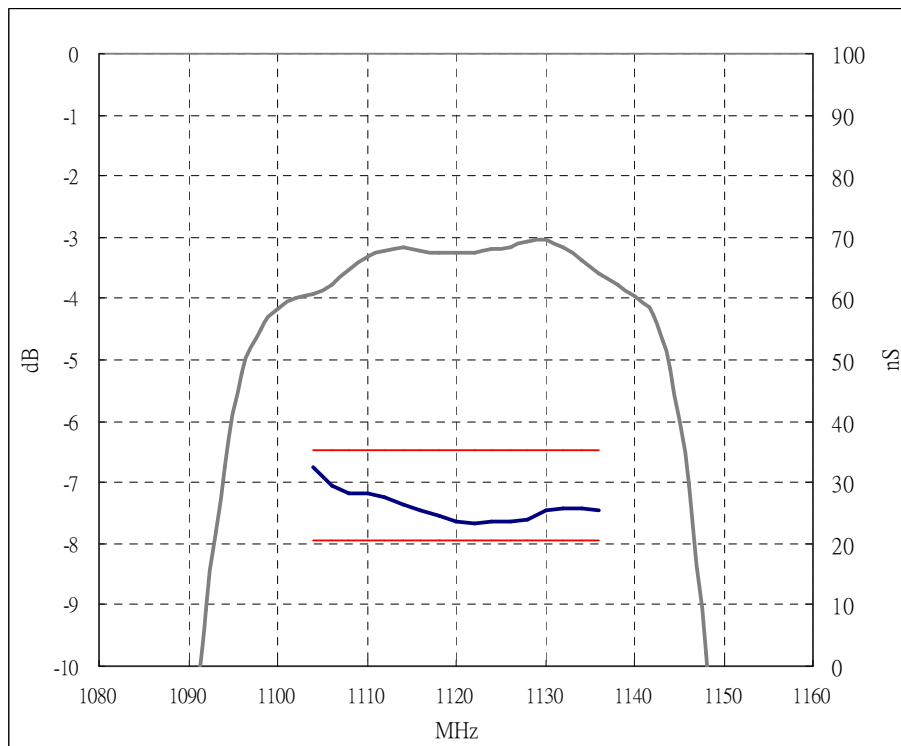
Characteristics	Value			Note
	Min.	Typ.	Max.	
Center frequency F_C MHz	-	1120	-	-
Insertion loss(1104~1136 MHz) I.L.	-	3.9	4.5	-
Ripple (1104~1136MHz)	-	0.8	1.5	-
PassBand Return Loss Differential	9	11		
Attenuation:(Reference level from 0 dB)				
1) 1017<F<1048 MHz	dB	50	55	-
2) 1191<F<1222 MHz	dB	43	46	-
3) 0<F<1017 MHz	dB	50	55	-
4) $F_C - 72 < F < F_C - 56$ MHz	dB	40	60	-
5) $F_C - 56 < F < F_C - 50$ MHz	dB	10	49	-
6) $F_C + 46 < F < F_C + 56$ MHz	dB	10	32	-
7) $F_C + 56 < F < F_C + 70$ MHz	dB	25	40	-
8) $F_C + 70 < F < F_C + 2000$ MHz	dB	40	56	-
9) 2000<F<3000 MHz	dB	40	60	-
Group delay ripple(p-p) (1104~1136MHz)	nS	-	9	15

C. Frequency Characteristics :

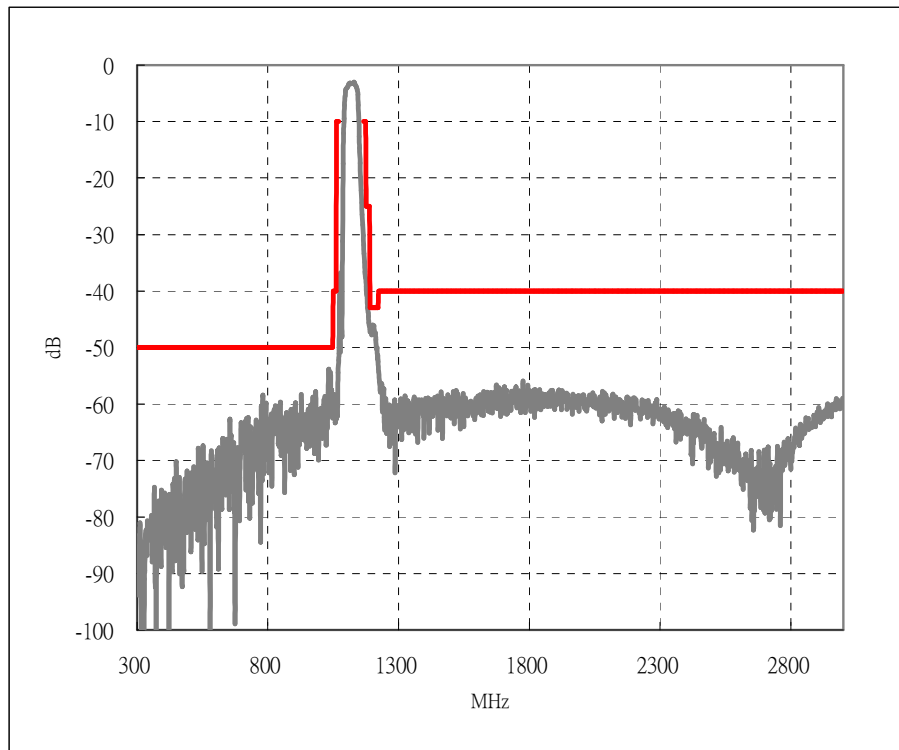
1. Sdd21 Response



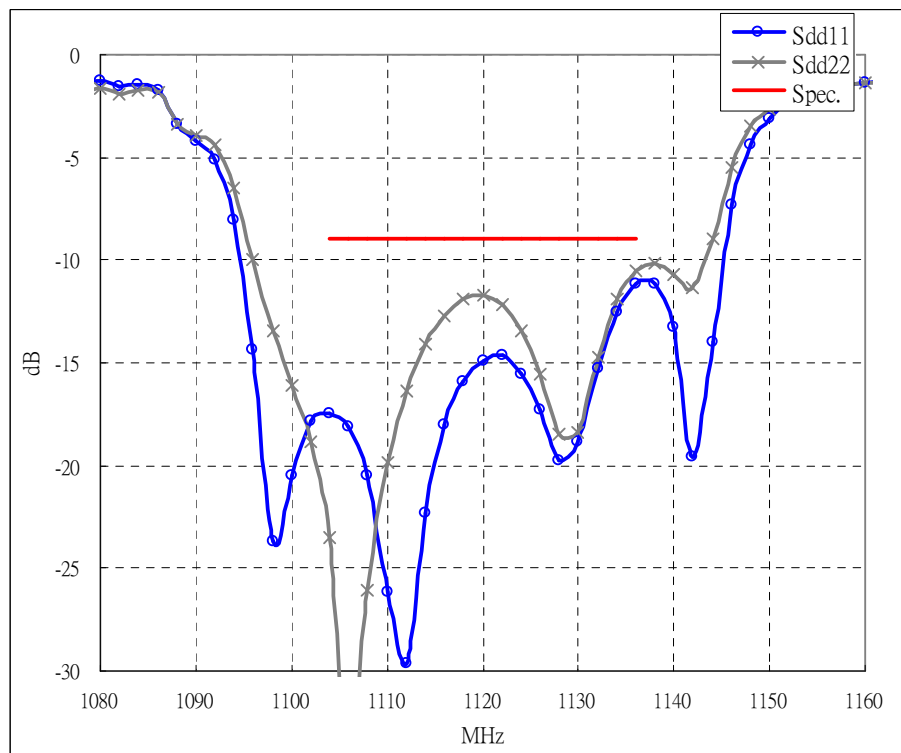
2. Sdd21 Response (Passband)



3. Sdd21 Response (wide band)

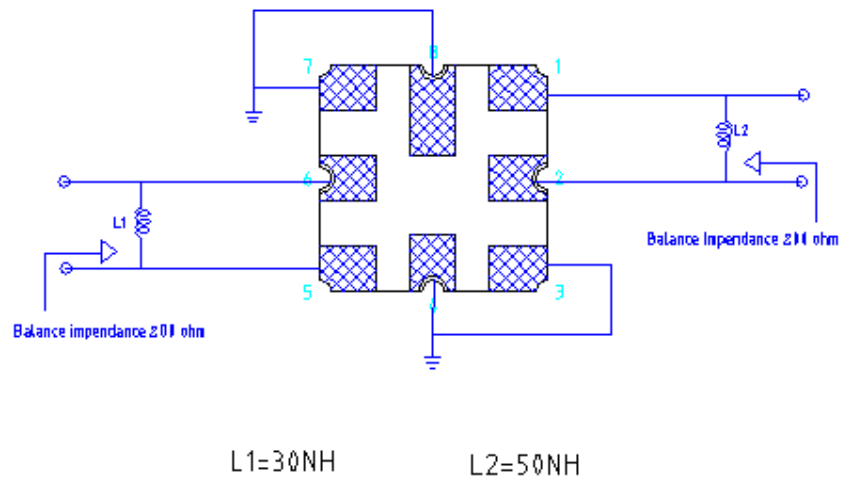


3. Return Loss

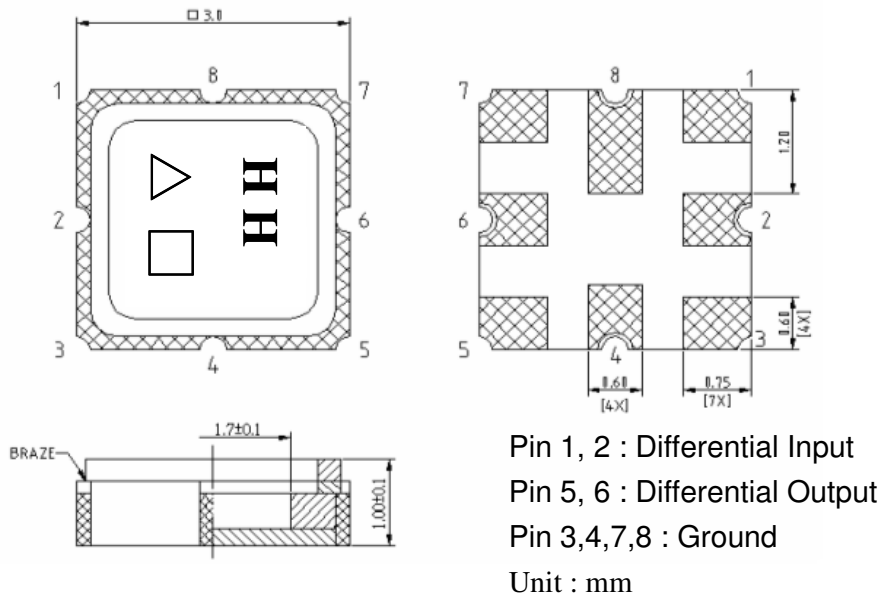


D. Measurement Circuit:

1. Balanced input 200 ohm and Balanced output 200 ohm



E. Outline Drawing:



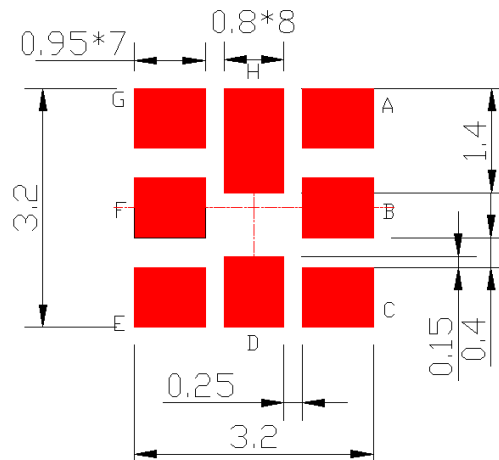
△ : Year Code (2010->0, ..., 2019->9)

□ : Date Code (W01->A, W02->B,...,W27->a,...,W52->z)

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

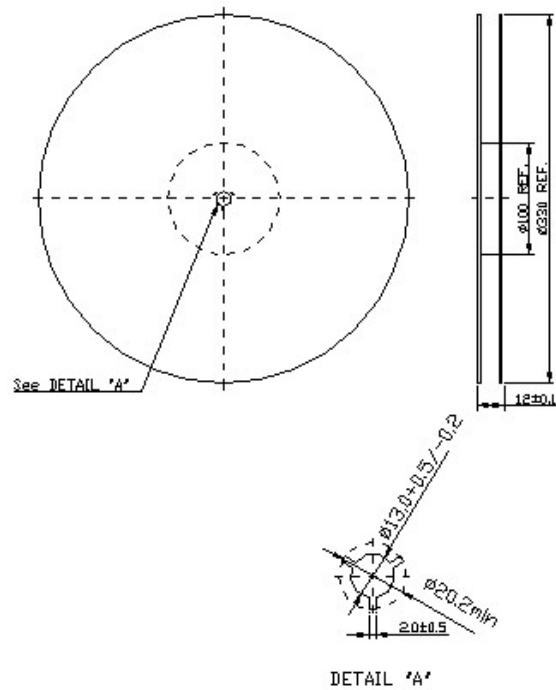
PCB Footprint:



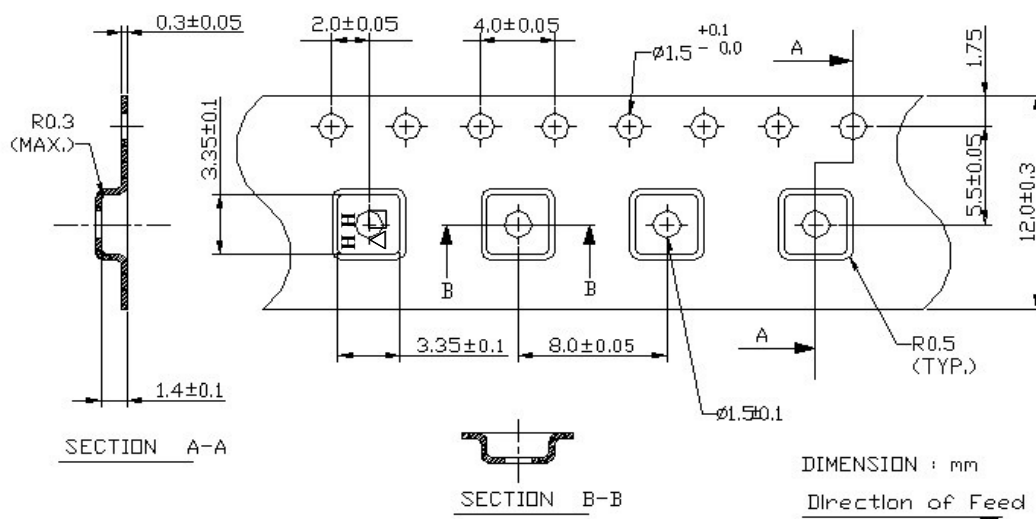
F. PACKING:

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°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 245~260°C peak (min. 10sec).
4. Time : 2 times.

