



TAI-SAW TECHNOLOGY CO., LTD.

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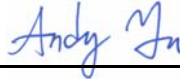
Product Specifications Approval Sheet

Product Name: SAW Filter 2338.75 MHz BW12.5MHz SMD 3.0X3.0 mm

TST Parts No.: TA1377A

Customer Parts No.: _____

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

Checked by: _____ Andy Yu 

Approval by: _____ Bob Chau 

Date: _____ 11, 26, 2013

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 2338.75MHz BW12.5MHz SMD 3.0x3.0mm

MODEL NO.:TA1377A

REV. NO.:1.0

A. MAXIMUM RATING:

1. Input Power Level: 15 dBm
2. DC Voltage : 3V
3. Operating Temperature: -40°C to +105°C
4. Storage Temperature: -40°C to +105°C

RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

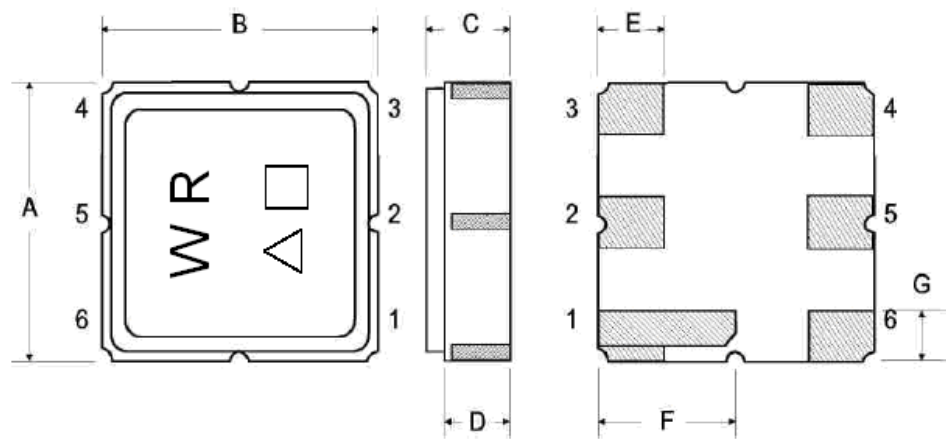
Electrostatic Sensitive Device (ESD)

Terminating source impedance : $Z_s = 50 \Omega$

Terminating load impedance : $Z_L = \text{balanced } 100 \Omega$

Item	Unit	Min.	Type.	Max.	Note
Center Frequency F_c	MHz	-	2338.75	-	-
Max. Insertion Loss (2332.5~2345 MHz) IL	dB	-	2.1	3.0	-
Amplitude ripple (2332.5~2345 MHz)	dB	-	0.3	1.4	-
Group delay ripple (2332.5~2345 MHz) GD	ns	-	4	12	-
Input return loss (2332.5~2345 MHz)	dB	6.5	20	-	-
Output return loss (2332.5~2345 MHz)	dB	6.5	23	-	-
Attenuation					
88 ~ 108 MHz	dB	60	70	-	-
880 ~ 960 MHz	dB	50	55	-	-
1710 ~ 1910 MHz	dB	40	48	-	-
2305 MHz	dB	-	18	-	-
2310 MHz	dB	-	10	-	-
2315 MHz	dB	-	6.3	-	-
2320 MHz	dB	-	4.0	-	-
2450 MHz	dB	30	47	-	-
3060 MHz	dB	35	50	-	-
Package size	mm	SMD 3.0x3.0			-

C.OUTLINE DRAWING:



Electrical Connections

Connection	Terminals
Input	2
Balanced Output	4, 6
Ground	1, 3, 5

Dimensions	Millimeters			Inches		
				Min	Nom	Max
A	2.87	3.0	3.13			
B	2.87	3.0	3.13			
C	0.90	1.0	1.10			
D		0.75				
E		0.75				
F		1.50				
G		0.60				

△:Year Code

□: Date Code(Follow the table provided by planner each year.)

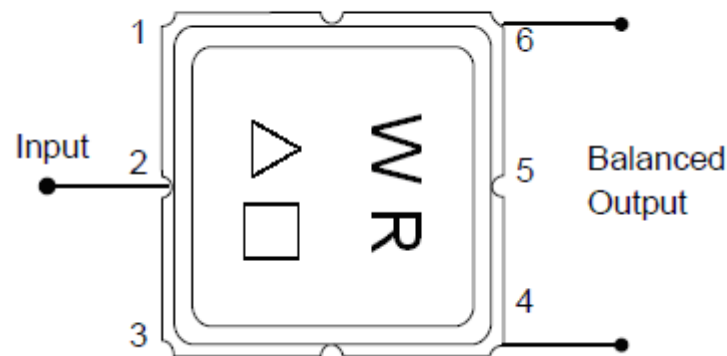
Unit: mm

△ Product Year Code

Year	2011	2012
	2013	2014
	2015	2016
	-	-
Product Code	A	a

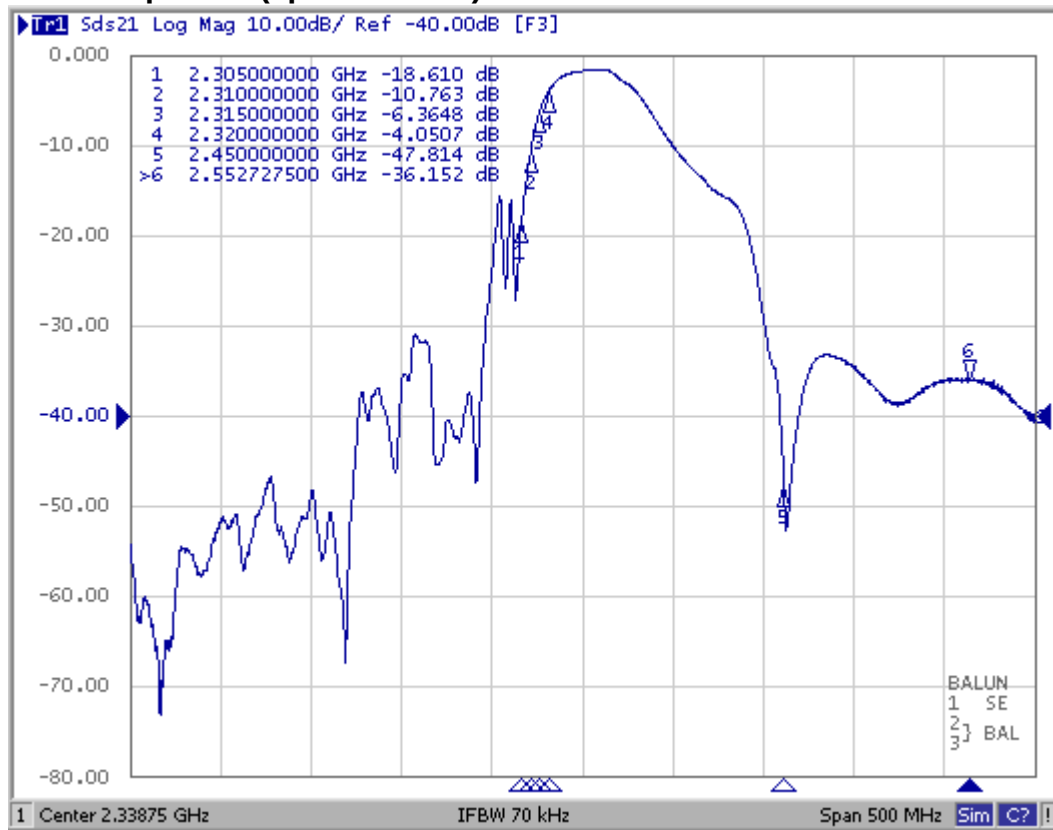
D. MEASUREMENT CIRCUIT:

Zin: 50 ohm Zout: 100 ohm

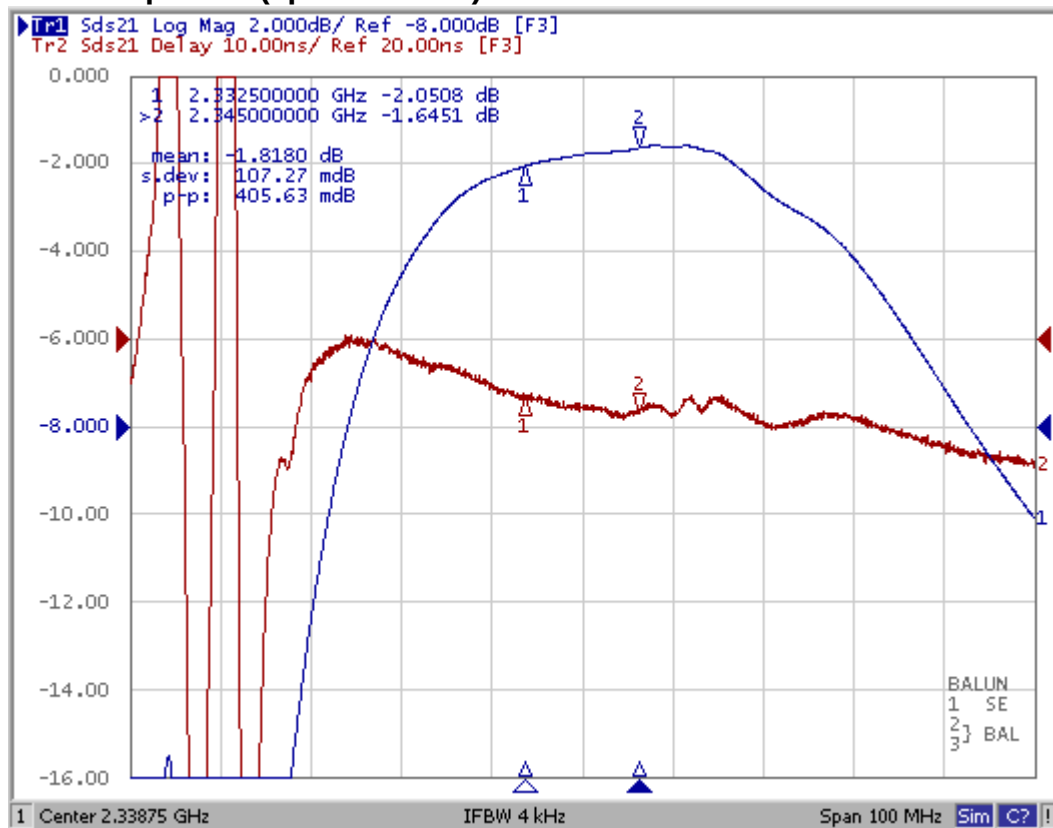


E. Frequency Characteristics :

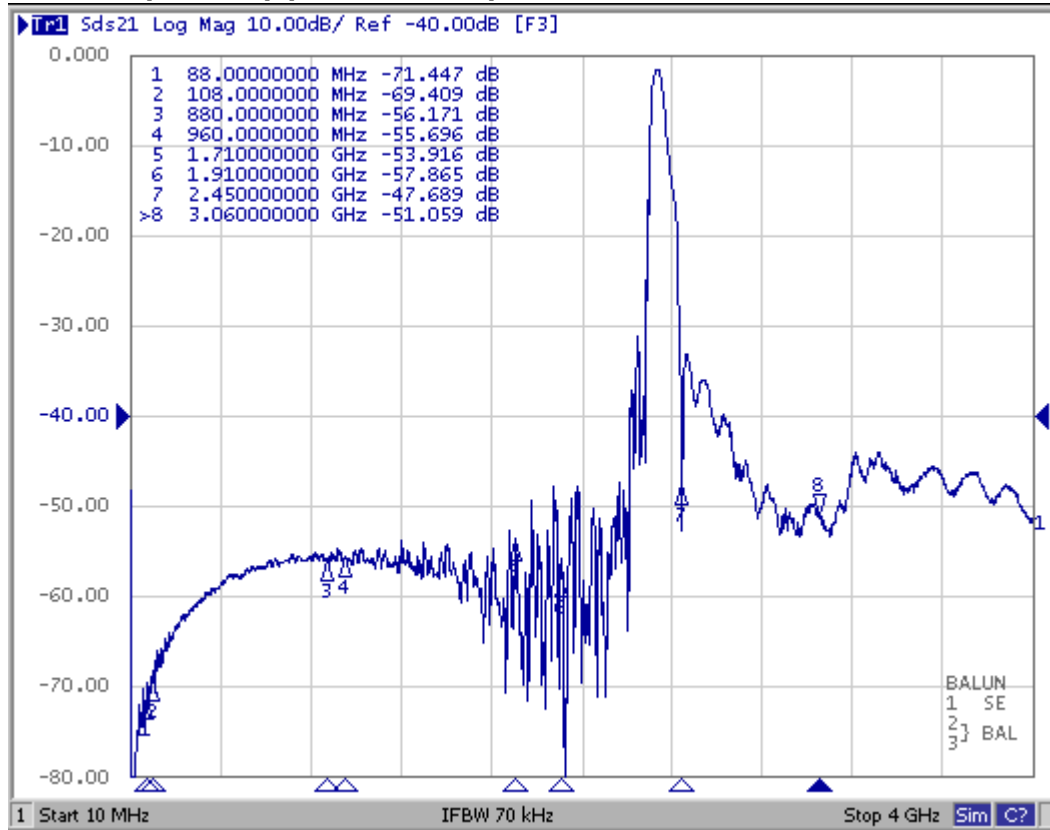
Sdd21 response: (span 500MHz)



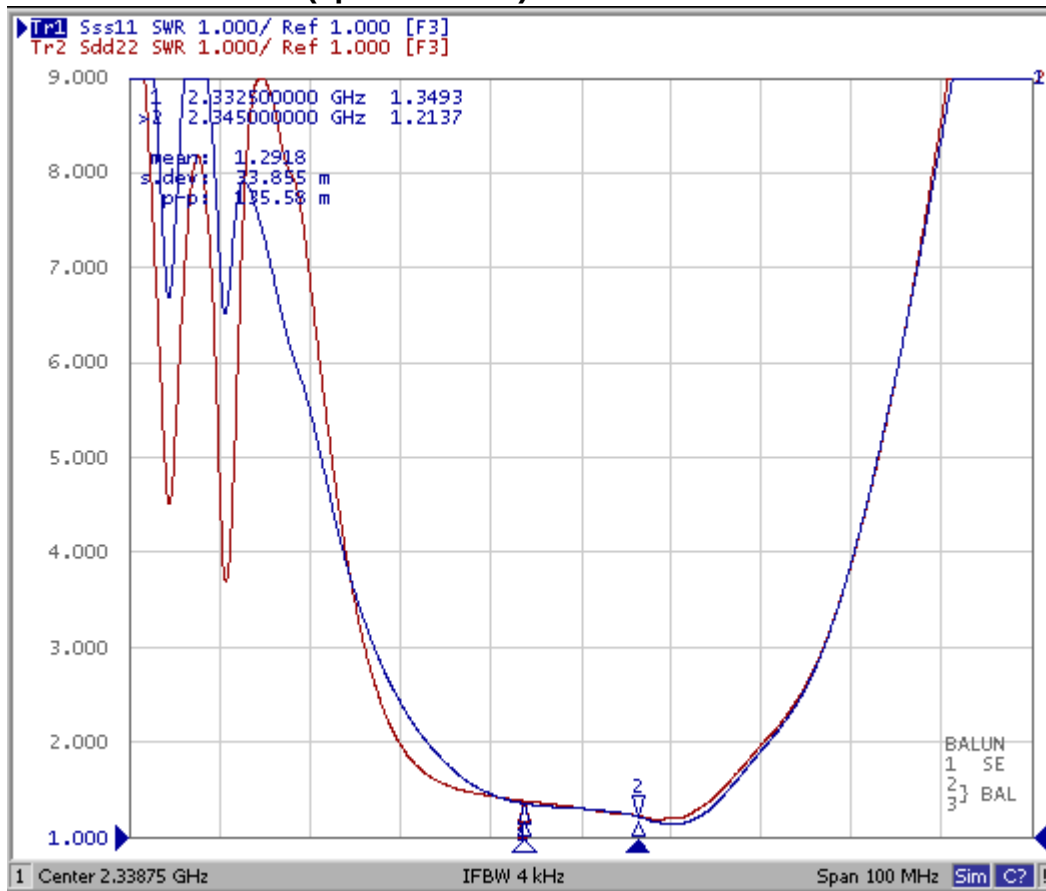
Sdd21 response: (span 100MHz)



Sdd21 response: (span 4200MHz)

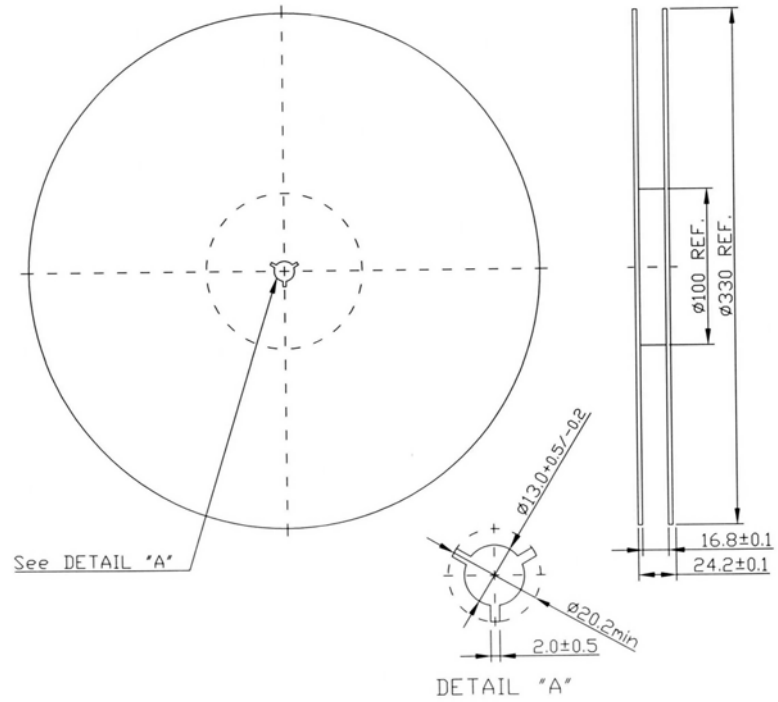


S11&Sdd22 VSWR: (span 100MHz)

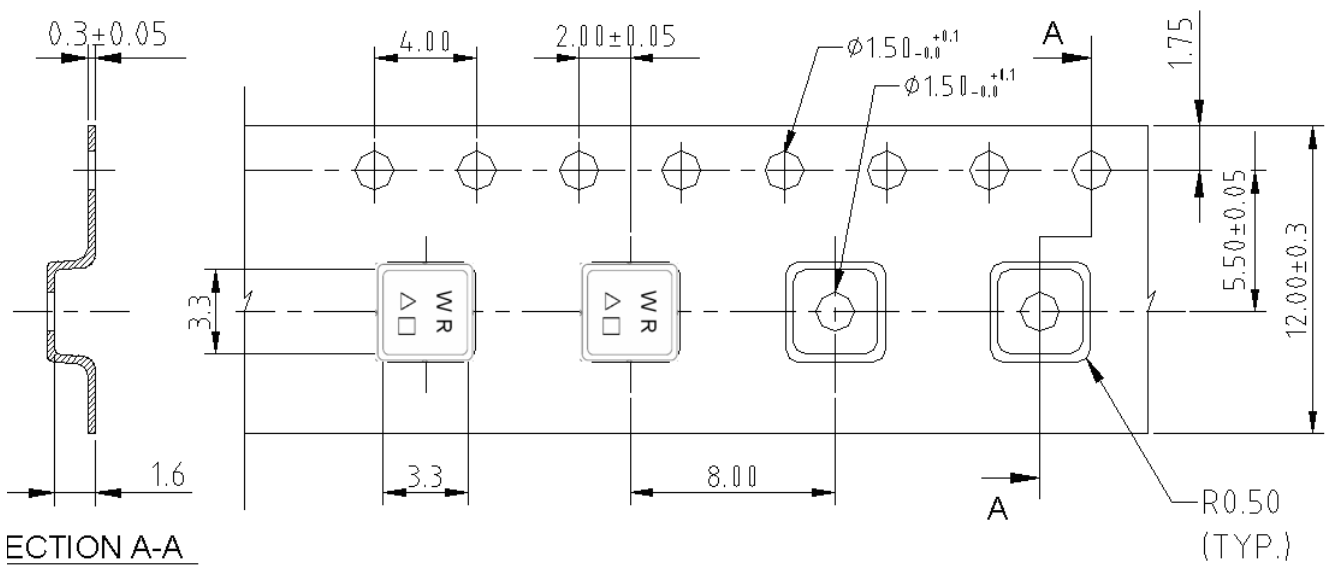


F. PACKING:
1. REEL DIMENSION

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1. REEL DIMENSION



2. TAPE DIMENSION



G. RECOMMENDED REFLOW PROFILE :

