



TAI-SAW TECHNOLOGY CO., LTD.

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

Product Description: SAW Filter 1636.375 MHz (BW 12MHz) SMD 3X3 mm

TST Part No.: TA2292A

Customer Part No.: _____

Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Michael Yang *Michael*

Approval by: _____ Andy Yu *Andy Yu*

Date: _____ 2017/10/16

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 1636.375MHz

MODEL NO.:TA2292A

REV. NO.:1.0

A. MAXIMUM RATING:

1. Input Power Level: 13 dBm
2. DC Voltage : 6V
3. Operating Temperature: -20°C to +70°C
4. Storage Temperature: -40°C to +80°C
5. Moisture Sensitive Level : Level 1(MSL1)

RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

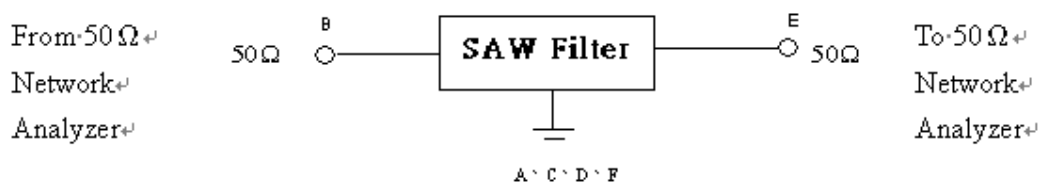
Terminating source impedance (single) : $Z_s = 50 \Omega$

Terminating load impedance(single) : $Z_L = 50 \Omega$

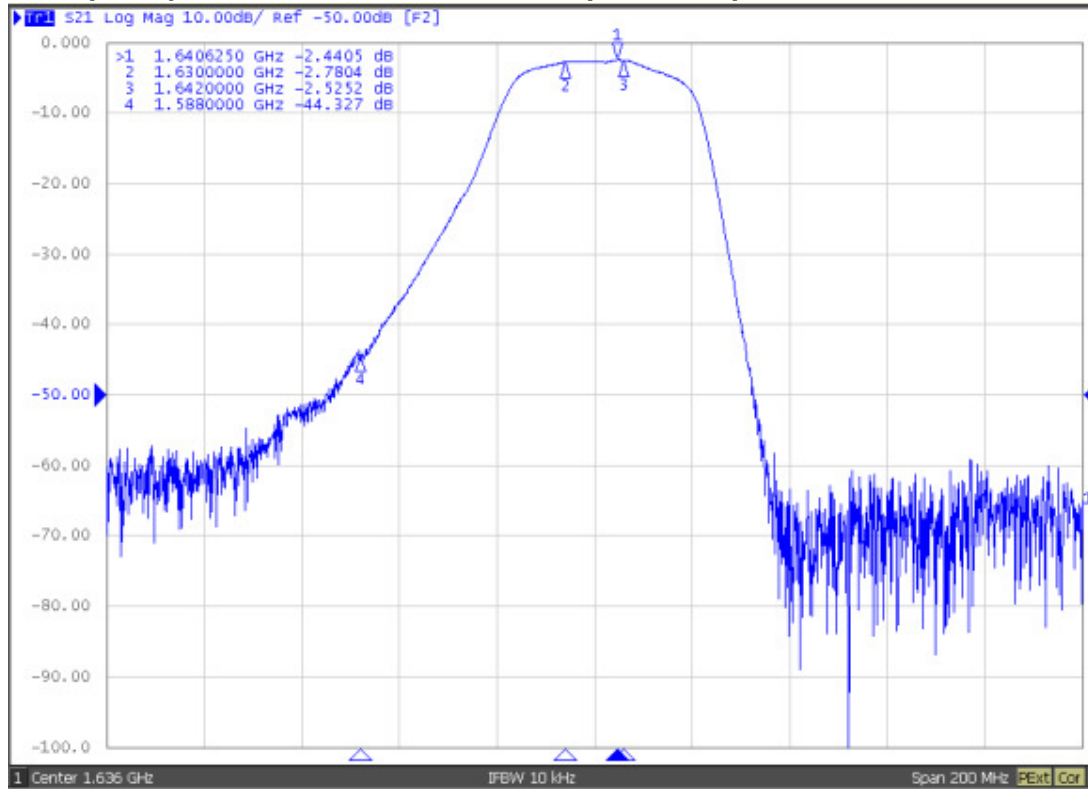
Item	Unit	Min	Type.	Max
Center Frequency F_c	MHz	-	1636.375	-
Insertion Loss (1630.375 ~ 1642.375 MHz) IL	dB		2.6	4.2
Group Delay Variation (1630.375 ~ 1642.375 MHz)	ns	-		20
Amplitude ripple				
(1630.375 ~ 1642.375 MHz)	dB		1.0	2.0
Attenuation				
1529 ~ 1534 MHz	dB	40	45	
1574 ~ 1576.375 MHz	dB	40	45	
1576.375 ~ 1588.375 MHz	dB	40	45	
Tamb @ measured fcenter		50°C		
Package size	mm	SMD 3x3		

C.. TEST CIRCUIT:

Network analyzer



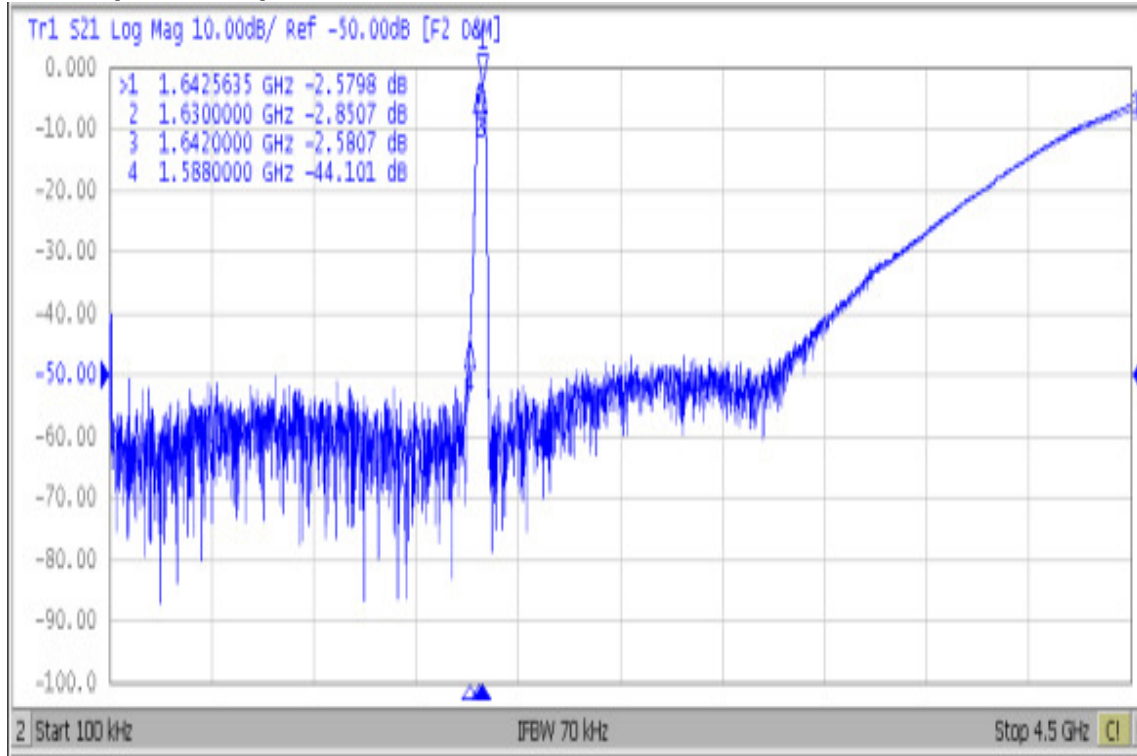
D. Frequency Characteristics: S21 response :(Span 200MHz)



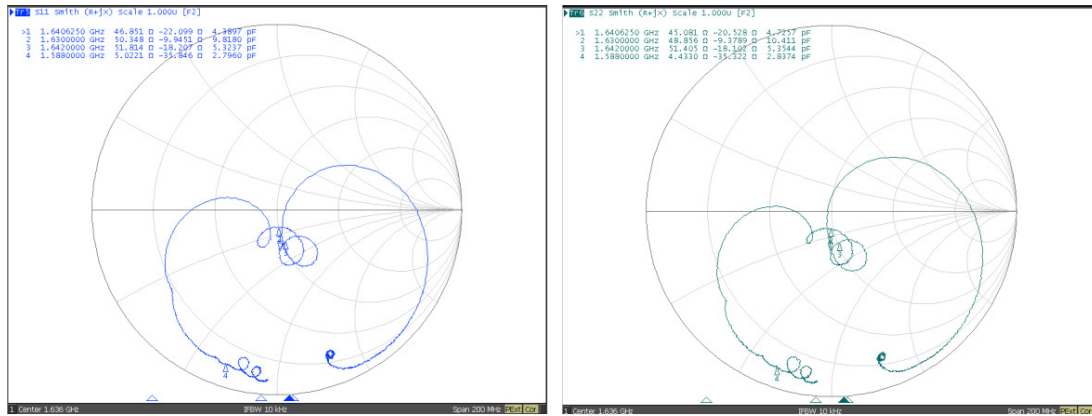
S21 response :(Span 50MHz)



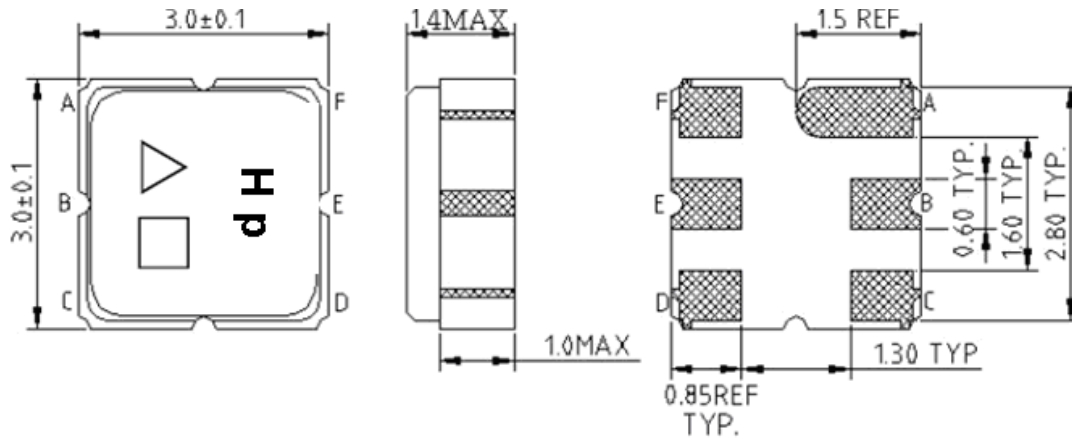
S21 response :(Span 4.5GHz)



S11/S22 :



E.OUTLINE DRAWING:



#B: Input
 #E: Output
 # A.C.D.F Ground
 $\triangle$: Year code (ex 2008 $\rightarrow$ 8)
 $\square$: Date code
 Unit: mm

Data code : See the table

WK	01	02	...	26	27	28	...	52
Code	A	B	...	Z	a	b	...	z

$\triangle$ Year code : See the table

Year	2008	2009	2010	2011	...	2019	2020
Code	8	9	0	1	...	9	0

F.FOOT PRINT:

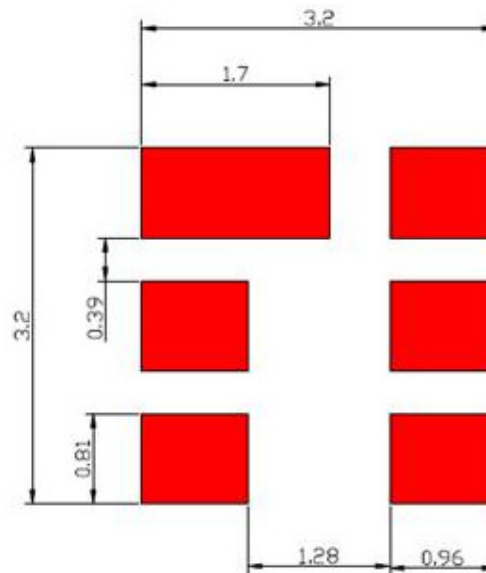
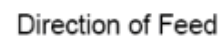


Fig.3 Desirable land area(in mm)

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



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.

