



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

Product Description: SAW Notch Filter 1575.42MHz SMD 3.0X3.0 mm

TST Part No.: TE0123A

Customer Part No :

Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Michael Yang 

Approved by: _____ Bob Chau 

Date: _____ 2016/06/24

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.



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

SAW Notch Filter 1575.42MHz

MODEL NO.:TE0123A

REV. NO.:1.0

A. MAXIMUM RATING:

1. Input Power Level: 15 dBm
2. DC Voltage : 5V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device (ESD)

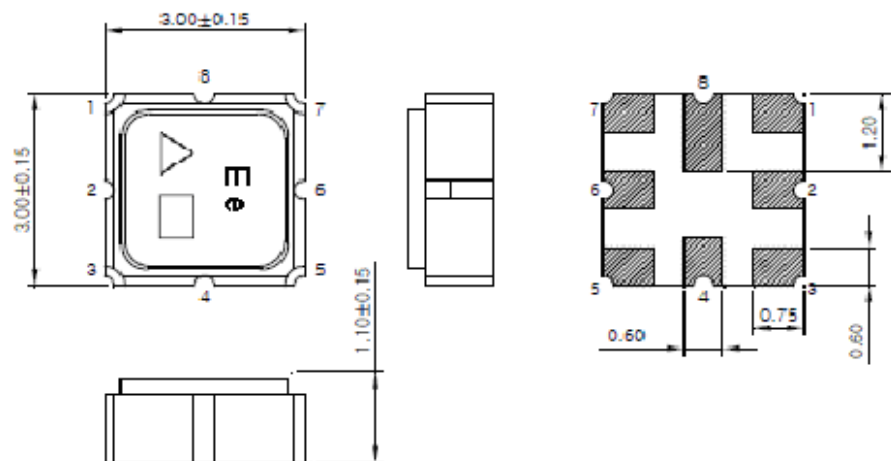
B. ELECTRICAL CHARACTERISTICS:

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

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

Item	Unit	Min	Type.	Max
Center Frequency Fc	MHz	-	1575.42	-
Minimum Insertion attenuation (824~960 MHz)	dB	1.0	0.7	
Minimum Insertion attenuation (1710~1990 MHz)	dB	1.5	1.2	
Minimum Insertion attenuation (2110~2170 MHz)	dB	1.5	1.2	
Attenuation				
1572.42~1578.42 MHz	dB	15	18	-
Package size	mm	SMD3.0x3.0		

C. OUTLINE DRAWING:



Dimensions shown are nominal in millimeters △:Year code (ex 2008→8)
Body : Al₂O₃ Ceramic □: Date code
Lid : Kovar, Ni Plated
Terminations : Au plating 0.3 ~ 1.0 um, Over a 1.27 ~ 8.89 um
Ni Plating

Pin Configuration			
Input	7	Output	5
Coupling Pin	1, 3		
Ground	Others		

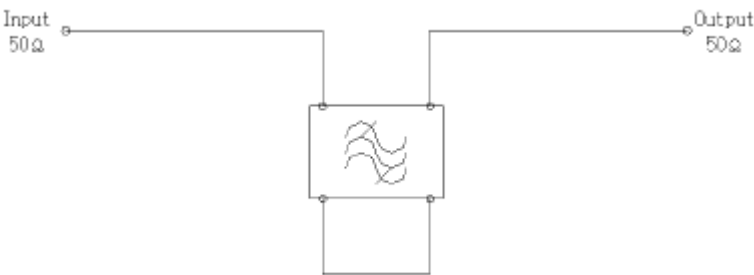
Data code : See the table

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

△ Year code : See the table

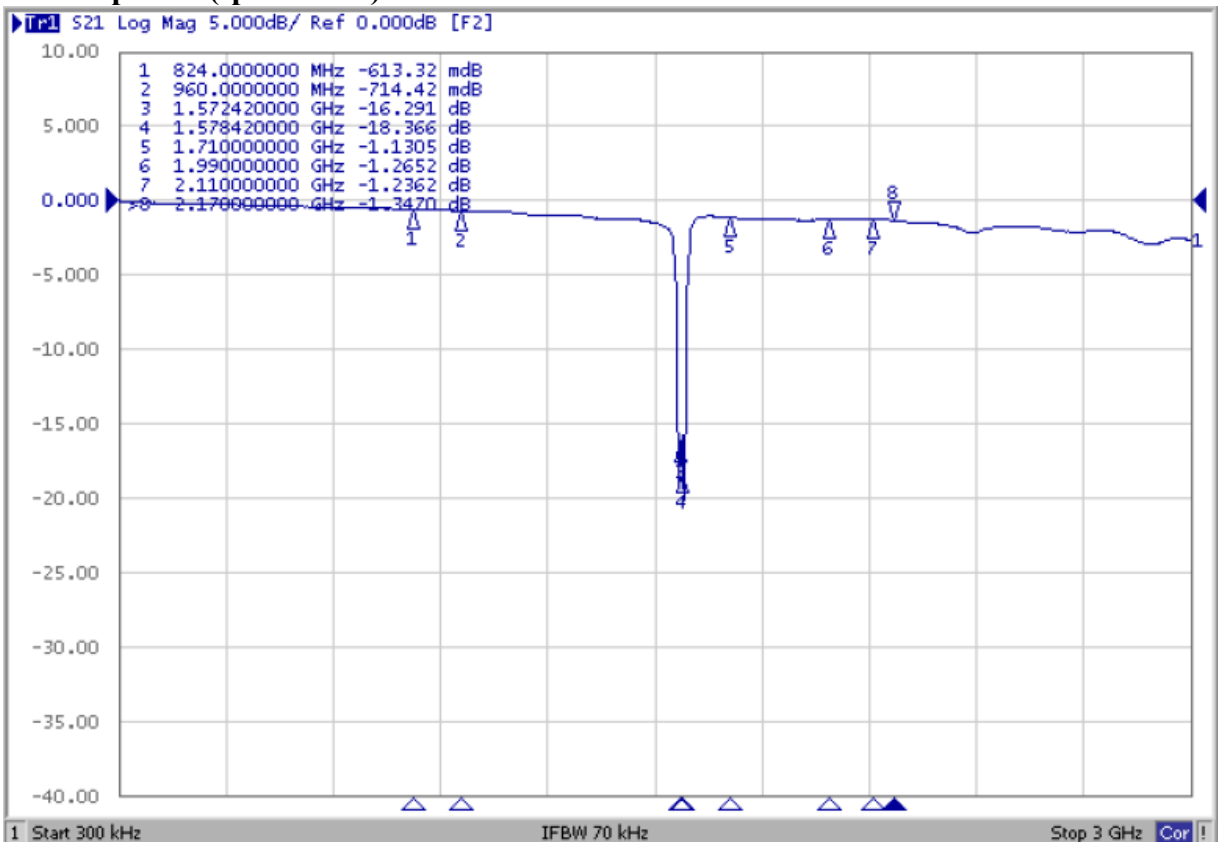
Year	2008	2009	2010	2011	...	2019	2020
Code	8	9	0	1	...	9	0

D. TEST CIRCUIT:

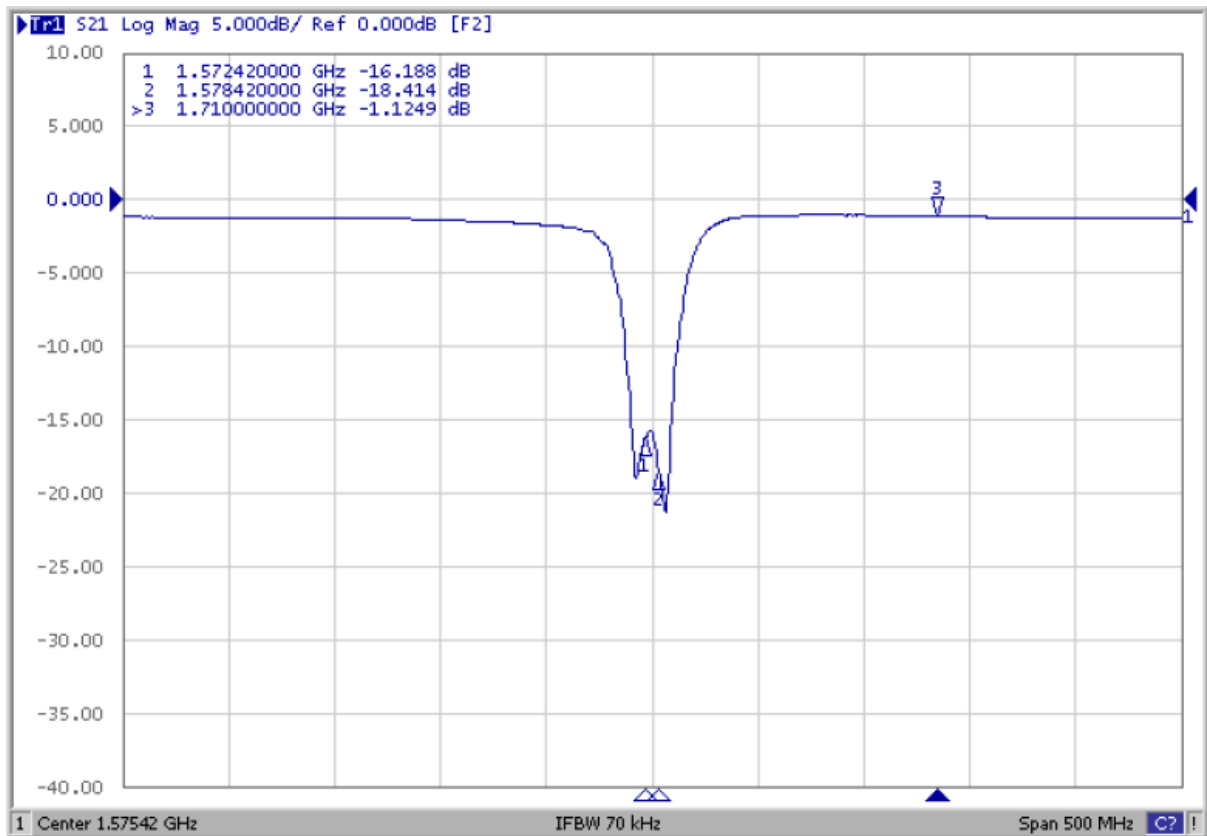


E. Frequency Characteristics:

S21 response: (span 3GHz)



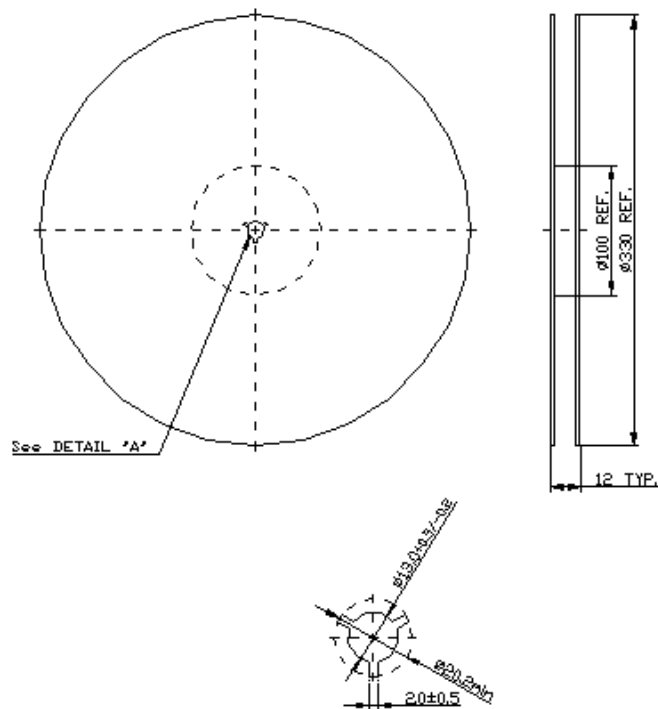
S21 response: (span 500MHz)



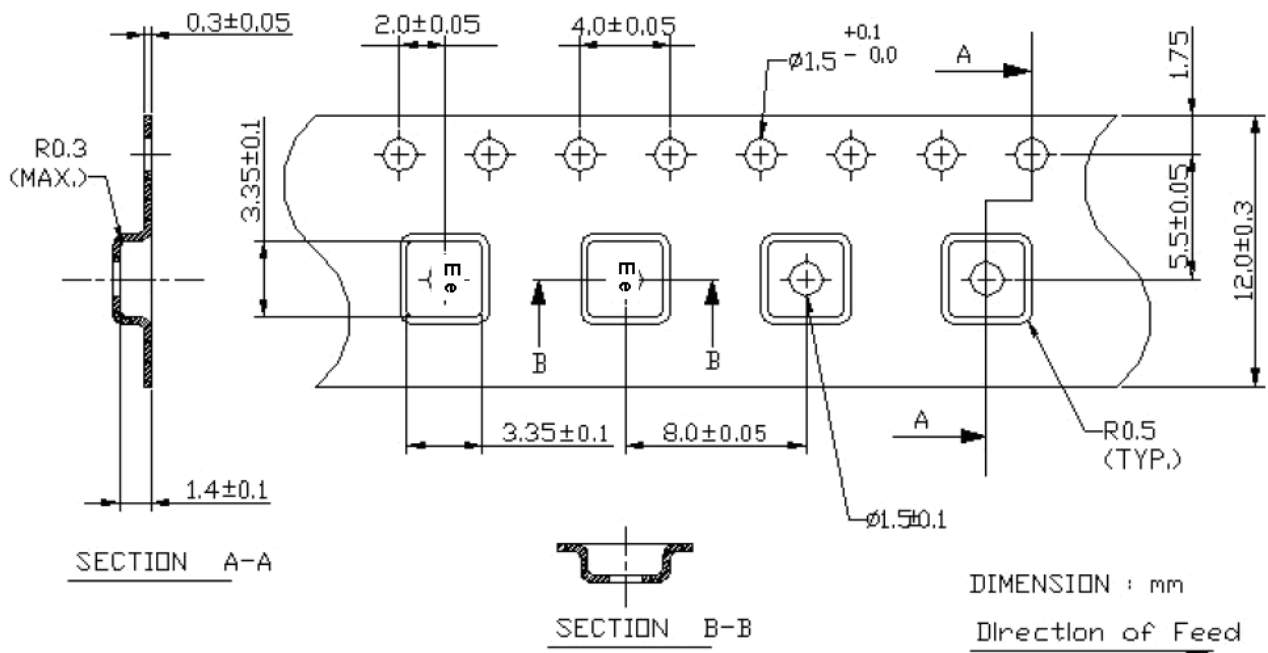
F. PACKING:

1. REEL DIMENSION

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



2. TAPE DIMENSION



G. 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.

