



TAI-SAW TECHNOLOGY CO., LTD.

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

Issued Date: April, 25, 2019

Product Name: SAW Filter 315 MHz SMD 3.0X3.0 mm (BW=1 MHz)

TST Parts No.: TA2572A (This part is compliant with AEC-Q200)

Customer Parts No.: _____

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

Checked by: _____ Hong Pu Lin *Hong Pu Lin*

Approved by: _____ Andy Yu *Andy Yu*

Date: _____ 2019/09/04

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 315 MHz

MODEL NO.: TA2572A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 13 dB_m
2. DC voltage: 6 V
3. Operating Temperature: -45°C to +125°C
4. Storage Temperature: -45°C to +125°C
5. Temperature range for specification: -40°C to +105°C
6. Moisture Sensitivity Level: Level 1(MSL1)
7. AEC-Q200 qualified(Grade 1: -40°C to +125°C)

RoHS Compliant

Lead-free soldering

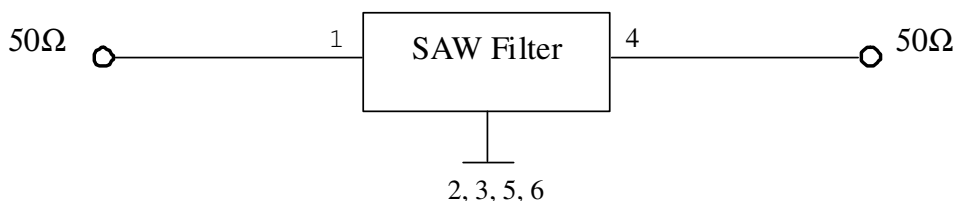
Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

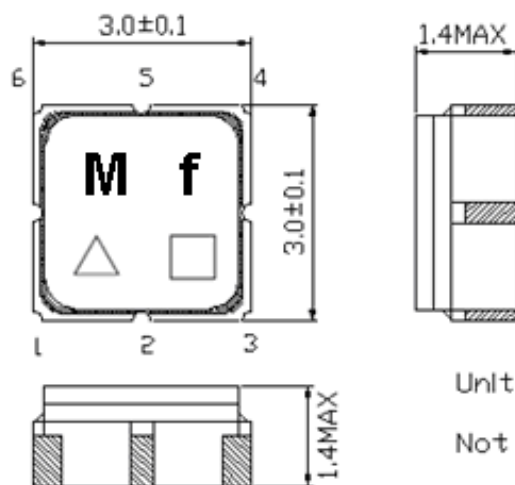
Item	Unit	Min.	Typ.	Max.
Center frequency F_c	MHz	-	315	-
Insertion Loss (314.5~315.5 MHz) IL	dB	-	1.8	2.8
Amplitude Ripple (314.5~315.5 MHz)	dB _{p-p}	-	0.2	1.4
VSWR (314.5~315.5 MHz)	-	-	1.4	2.2
Attenuation (Reference level from 0 dB)				
270 ~ 286 MHz	dB	50	56	-
293 ~ 293.9 MHz	dB	50	55	-
304 ~ 304.6 MHz	dB	42	47	-
325.4 ~ 326 MHz	dB	20	29	-
336.1 ~ 337 MHz	dB	36	50	-
357.5 ~ 358.7 MHz	dB	50	60	-
Temperature Coefficient of Frequency	ppm/°C	-	-36	-

C. MEASUREMENT CIRCUIT:

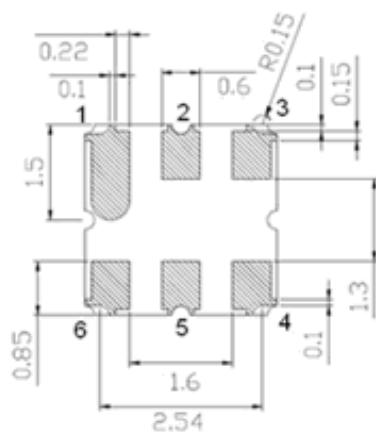
HP Network analyzer



D. OUTLINE DRAWING:

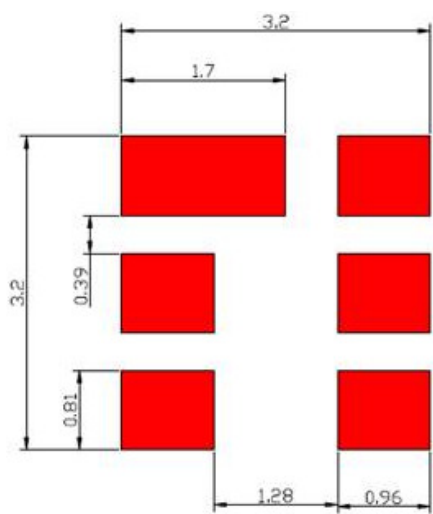


Unit : mm
Not Specified Tolerance : +/-0.15 mm

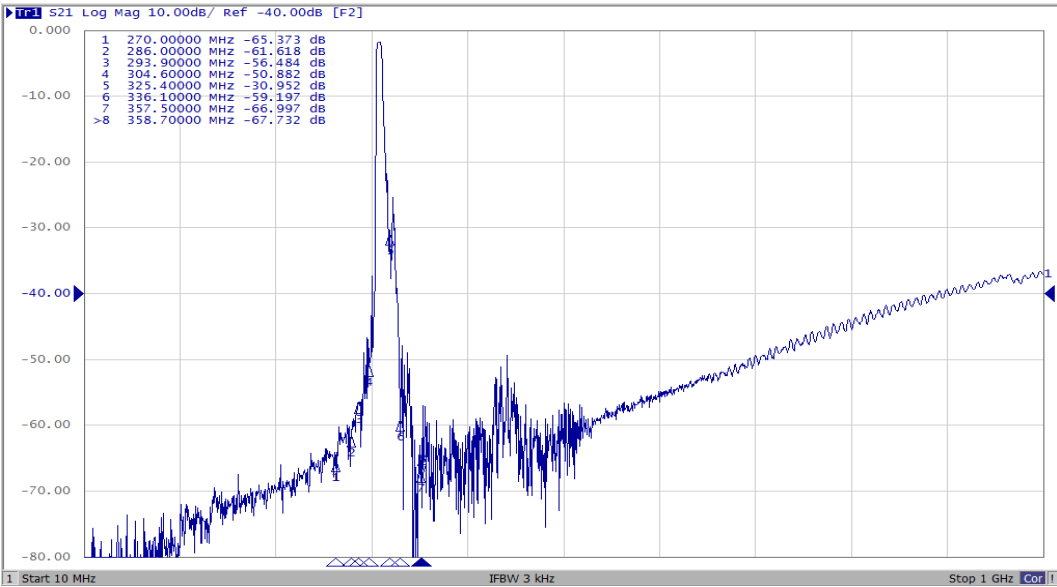
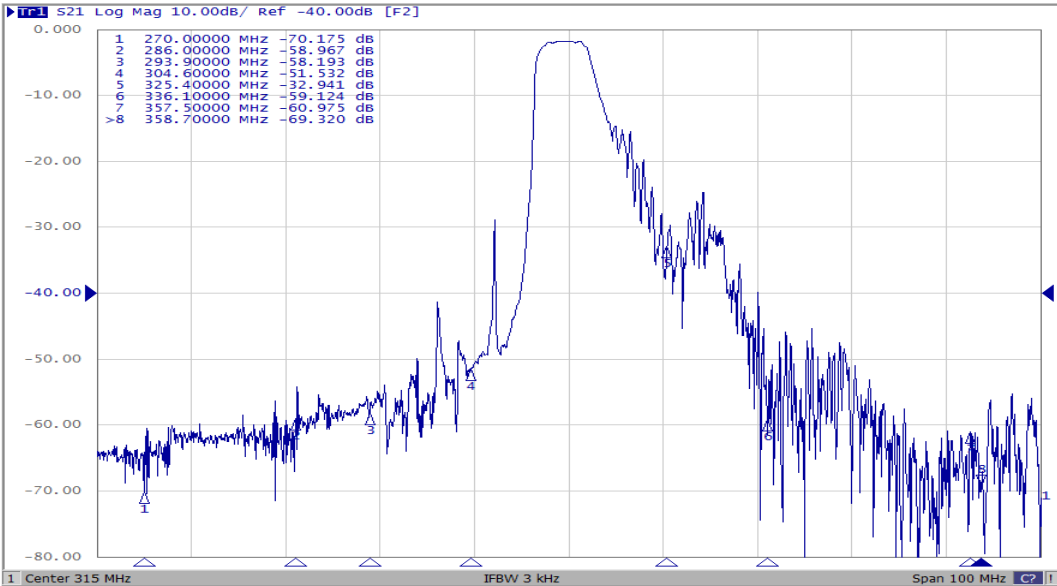
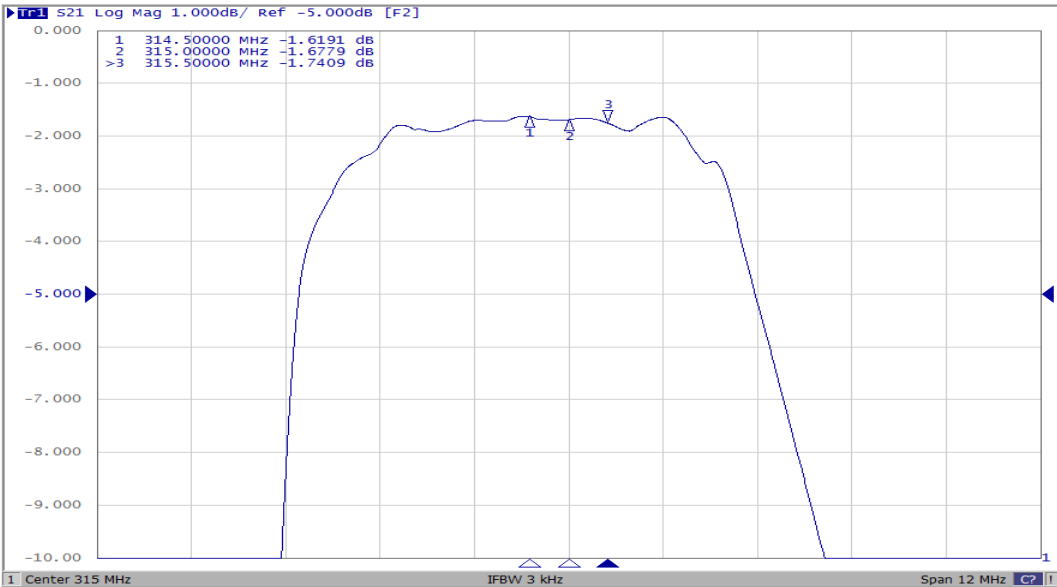


Pin No.	Symbol	Function
1	IN	Input
2	GND	Ground
3	GND	Ground
4	OUT	Output
5	GND	Ground
6	GND	Ground

E. PCB Footprint:

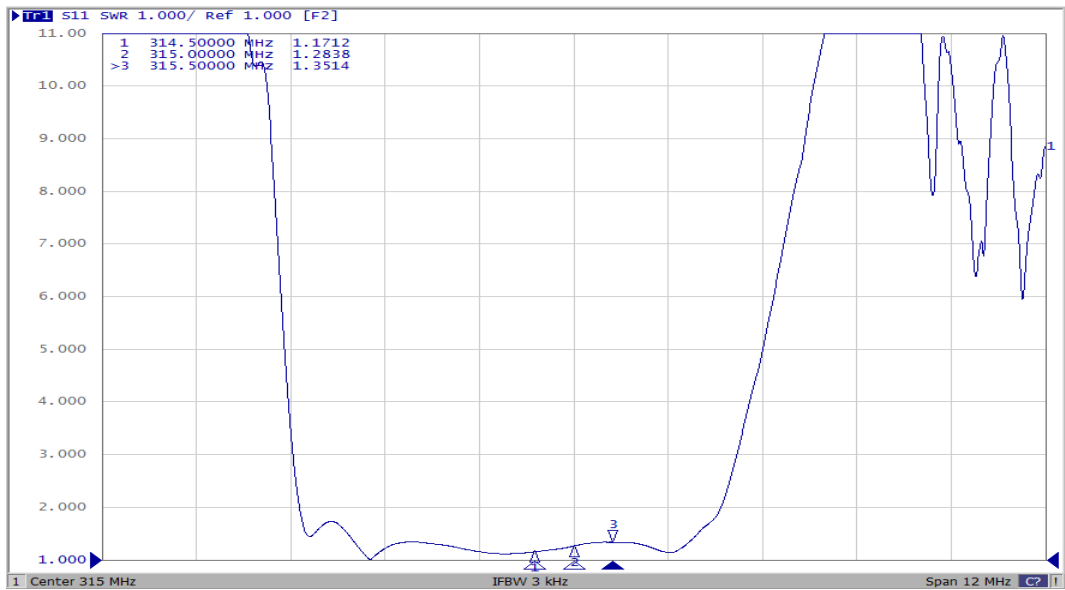


F. Frequency Characteristics:

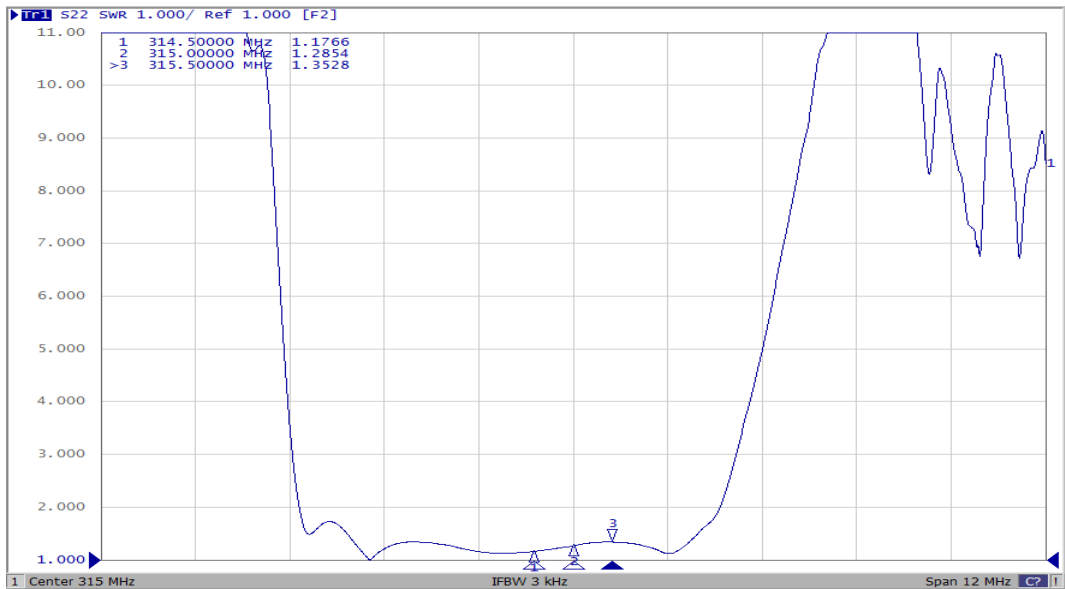


Reflection Functions:

S11



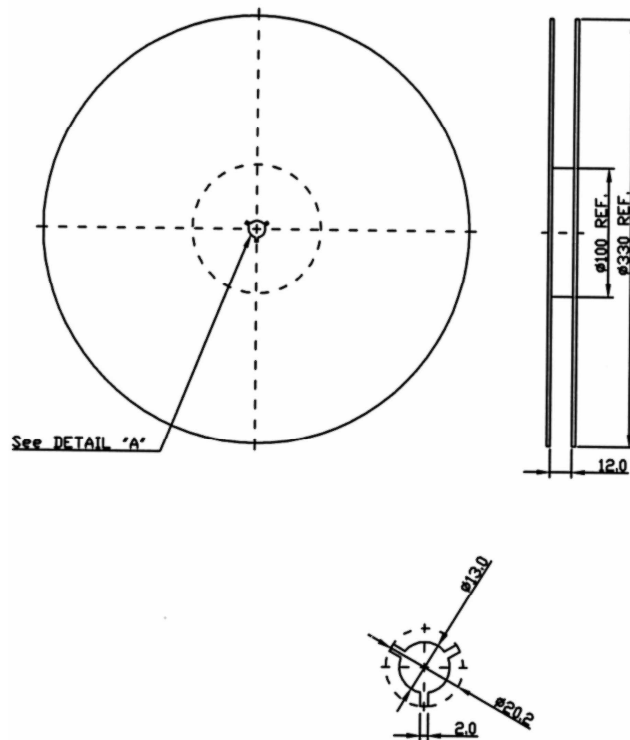
S22



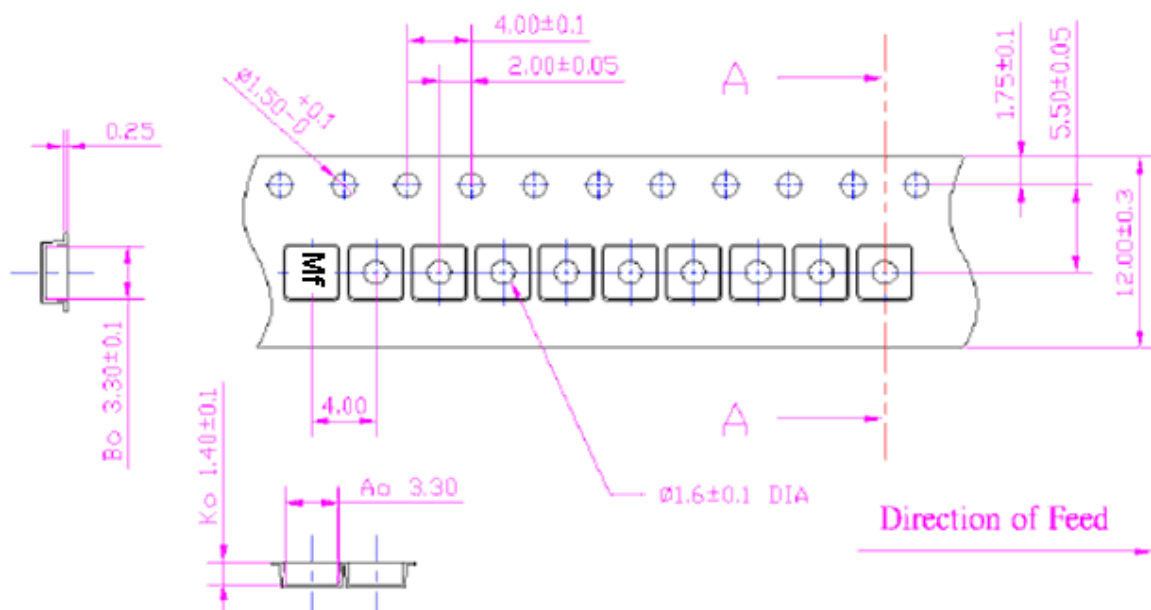
G. PACKING: (Ref. WI-75M03)

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 260°C +0/-5°C peak (20~40sec).
4. Time: 2 times.

