



TAI-SAW TECHNOLOGY CO., LTD.

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

Issued Date:

Product Name: SAW Filter 867.5MHz SMD 3.0×3.0mm

TST Parts No.:TA0547A

Customer Parts No.:_____

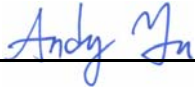
Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Bob Chau

Approval by:_____ Andy Yu 

Date:_____ 2018/01/16



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SAW Filter 867.5 MHz

MODEL NO.: TA0547A

REV. NO.:2

A. MAXIMUM RATING:

1. Input Power Level: 10 dB_m
2. DC voltage: 3 V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

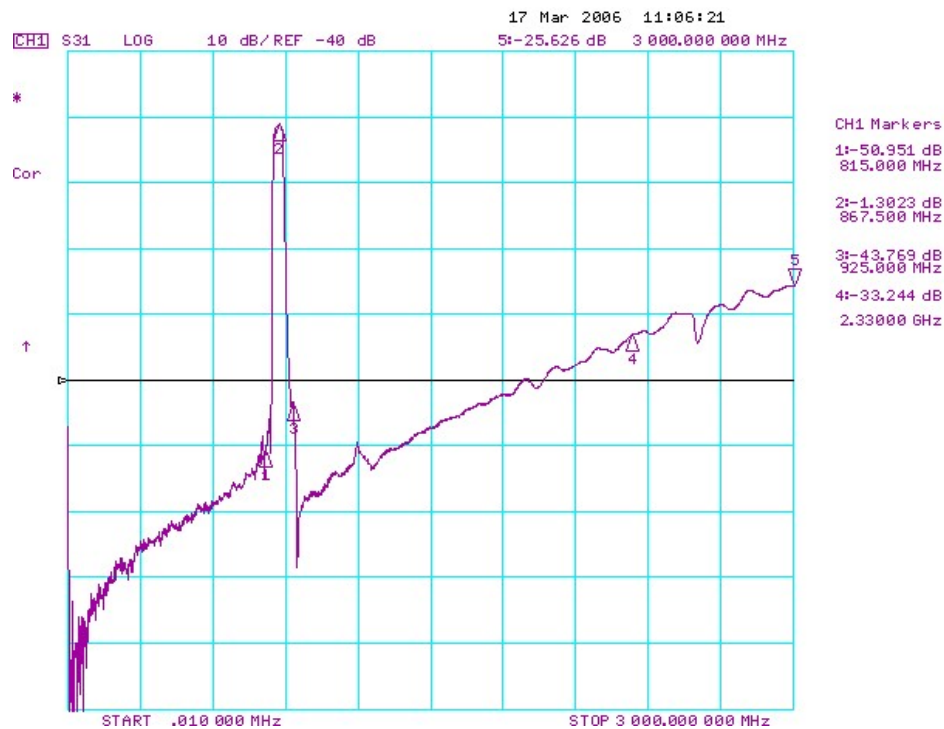
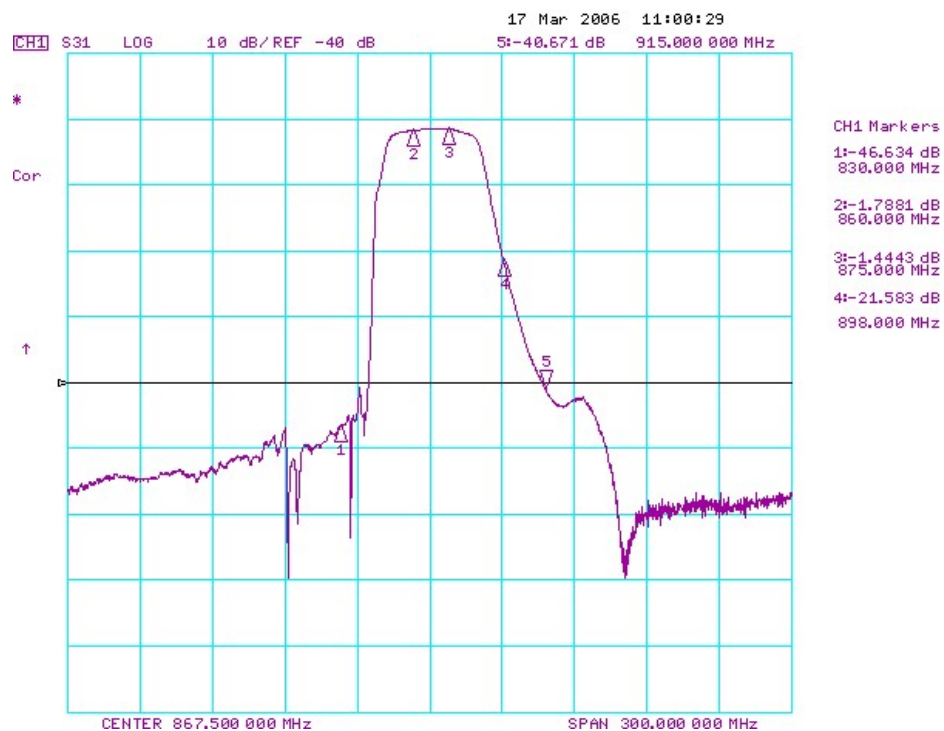
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

Item		Specification			
		Unit	Min.	Typ.	Max.
Center Frequency	F _c	MHz	-	867.5	-
Insertion Loss	860~875 MHz	dB	-	1.8	3.5
Ripple	860~875 MHz	dB	-	0.4	1.5
VSWR	860~875 MHz		-	1.25	2.0
Attenuation (Reference from 0dB)					
100 ~ 815	MHz	dB	40	47	-
815 ~ 830	MHz	dB	38	46	-
898 ~ 901	MHz	dB	15	21	-
915 ~ 925	MHz	dB	30	40	-
925 ~2330	MHz	dB	28	33	-
2330 ~3000	MHz	dB	20	25	-
Source impedance	Z _s	Ω	-	50	-
Load impedance	Z _L	Ω	-	50	-

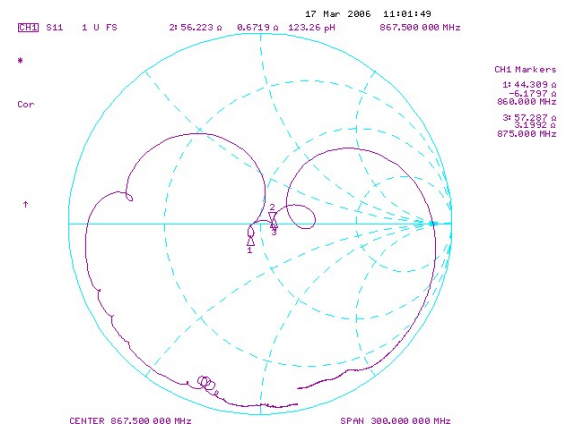
Note1. No matching network required for operation at 50 Ω

C. FREQUENCY CHARACTERISTICS:

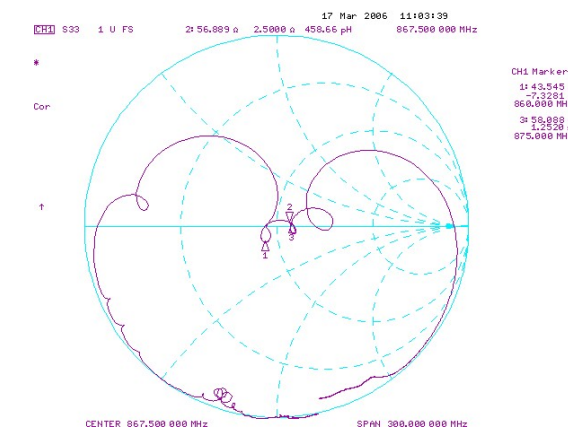
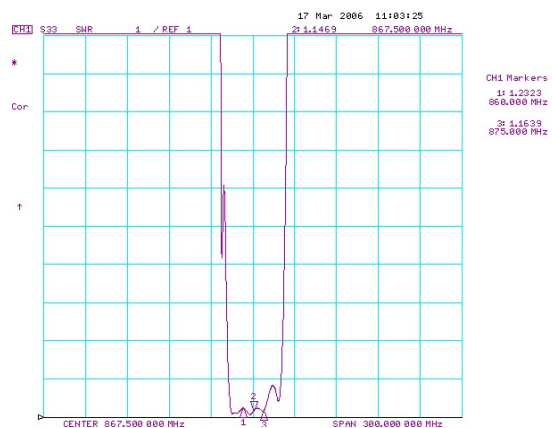


Reflection Functions:

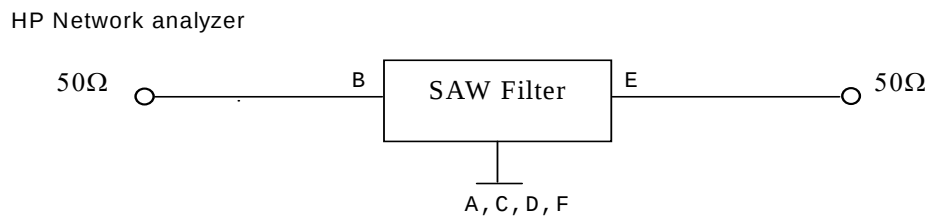
S11



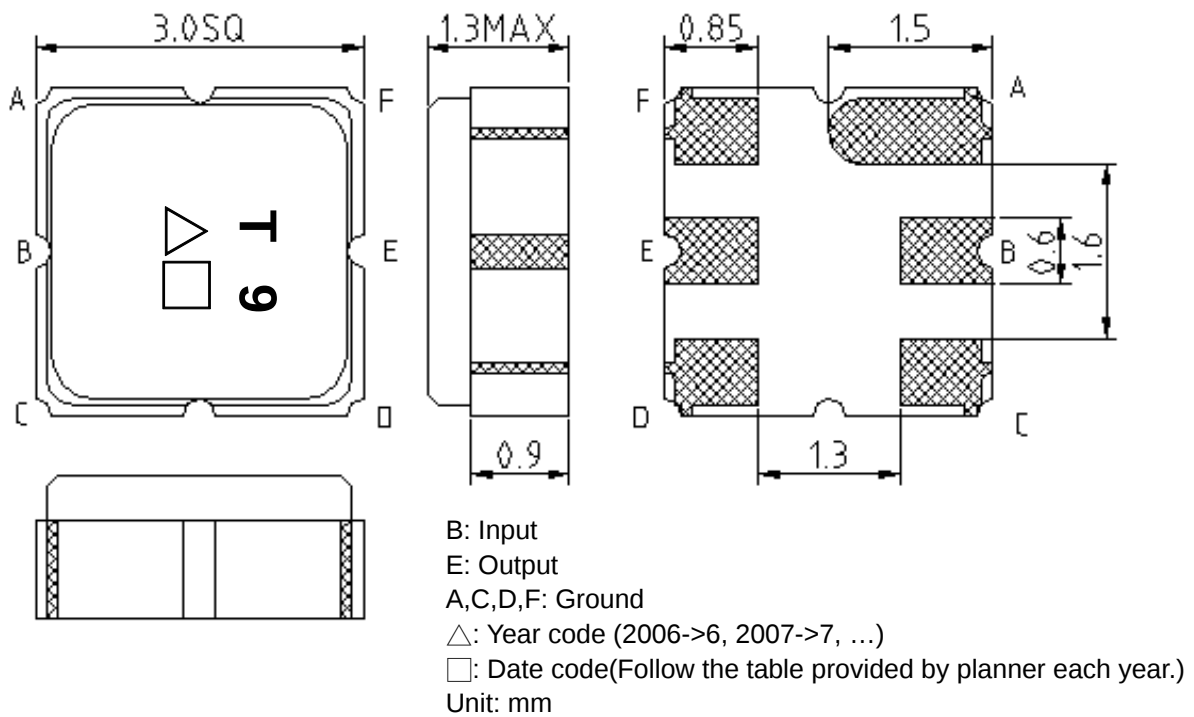
S22



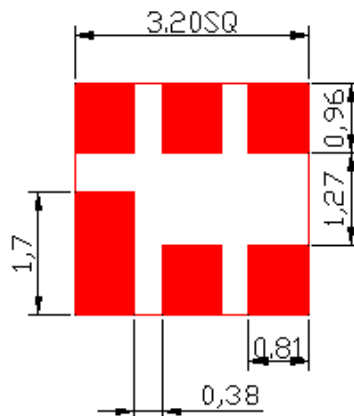
D. MEASUREMENT CIRCUIT:



E. OUTLINE DRAWING:

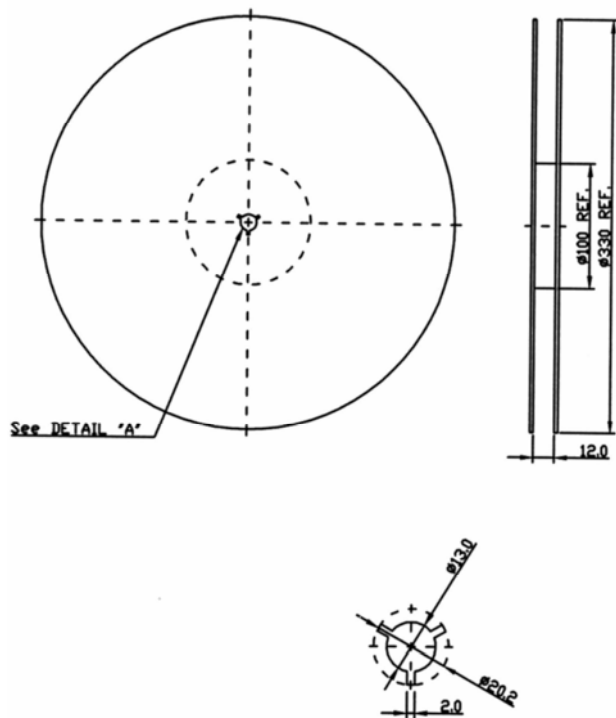


F. PCB FOOTPRINT:

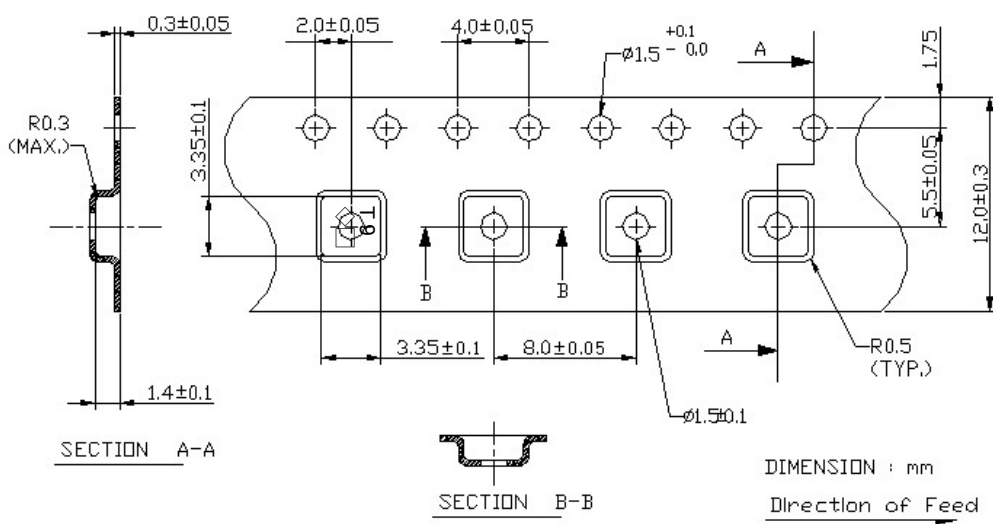


G. PACKING:

1. REEL DIMENSION



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.

