



# TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,  
Taoyuan, 324, Taiwan, R.O.C.

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## Approval Sheet For Product Specification

Issued Date:

Product Name: SAW Filter 915MHz SMD 2.5x2.0 mm

TST Parts No.:TA0299A

Customer Parts No.:\_\_\_\_\_

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

Checked by: \_\_\_\_\_ Elvis Chiu

Approval by: \_\_\_\_\_ Francis Chen

Date: \_\_\_\_\_ 2003/11/05



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## SAW Filter 915 MHz

MODEL NO.: TA0299A

REV. No.: 1

### A. MAXIMUM RATING:

1. Input Power Level: 15 dB<sub>m</sub>
2. DC voltage: 3 V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +85°C

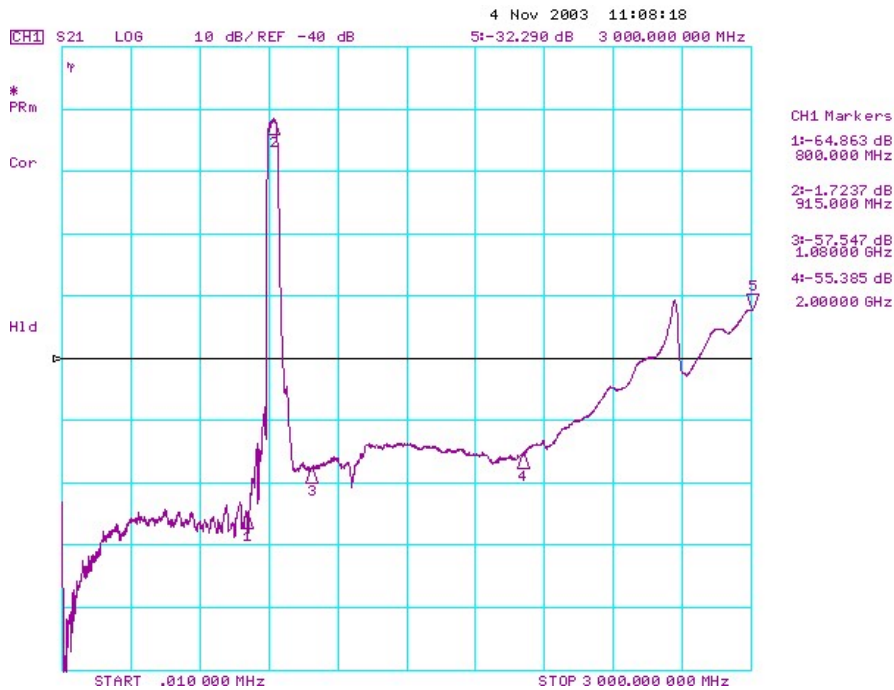
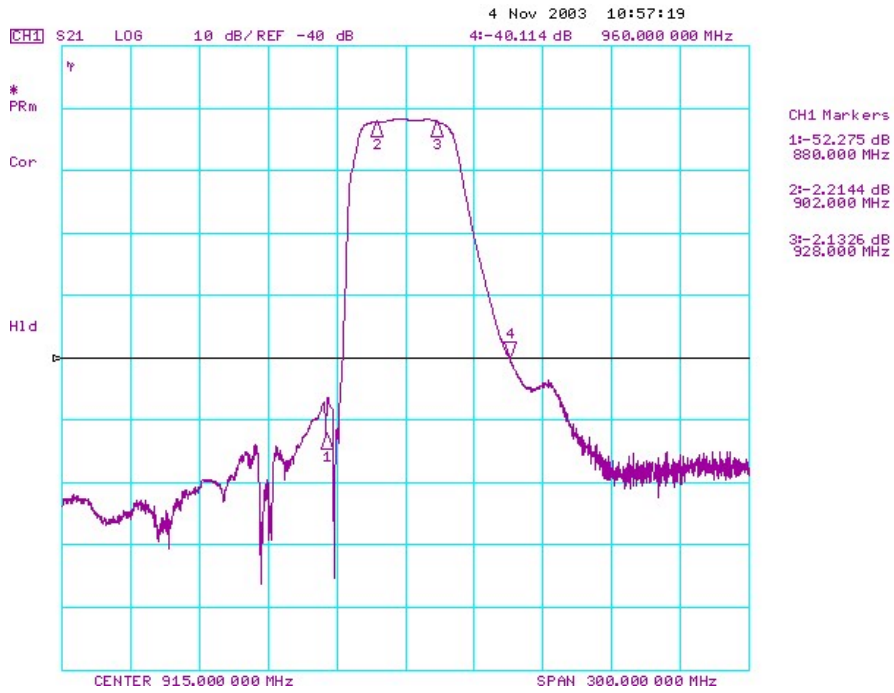
RoHS Compliant  
Lead free  
Lead-free soldering

### B. ELECTRICAL CHARACTERISTICS:

Item		Min.	Typ.	Max.
<b>Center frequency</b>	<b>Fc</b> MHz	-	915	-
<b>Insertion loss</b>	902 ~ 928 MHz <b>IL</b> (dB)	-	2.2	3.0
<b>Amplitude ripple</b>	902 ~ 928 MHz (dB)	-	0.5	1.5
<b>VSWR</b>	902 ~ 928 MHz	-	1.6	2.2
<b>Attenuation</b> (Reference level from 0 dB)				
	D.C. ~ 800 MHz (dB)	45	63	-
	800 ~ 870 MHz (dB)	40	53	-
	960 ~ 1080 MHz (dB)	30	40	-
	1080 ~ 2000 MHz (dB)	35	53	-
	2000 ~ 3000 MHz (dB)	22	28	-
<b>Source impedance</b>	<b>Z<sub>s</sub></b> (Ω)	-	50	-
<b>Load impedance</b>	<b>Z<sub>L</sub></b> (Ω)	-	50	-

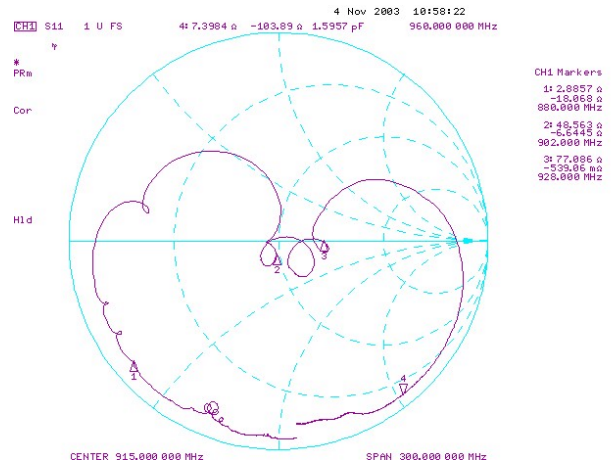
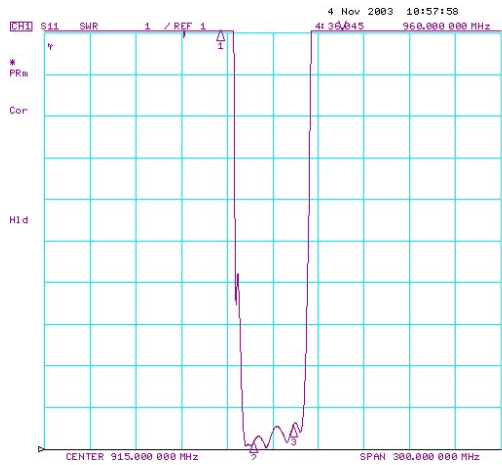
Note1. No matching network required for operation at 50 Ω

### C. Frequency Characteristics :

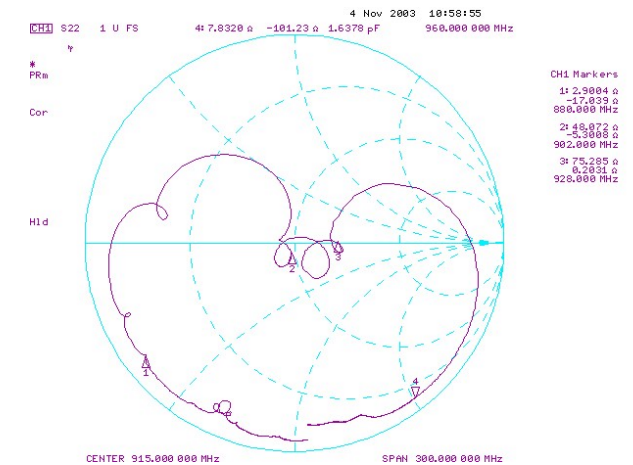
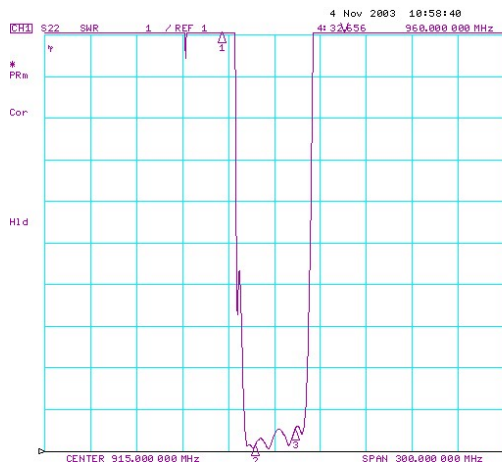


## D.Reflections Functions :

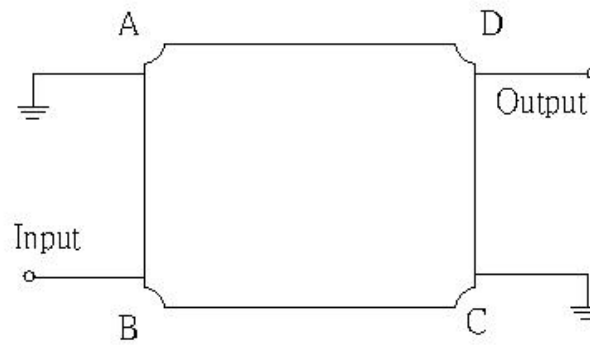
S11:



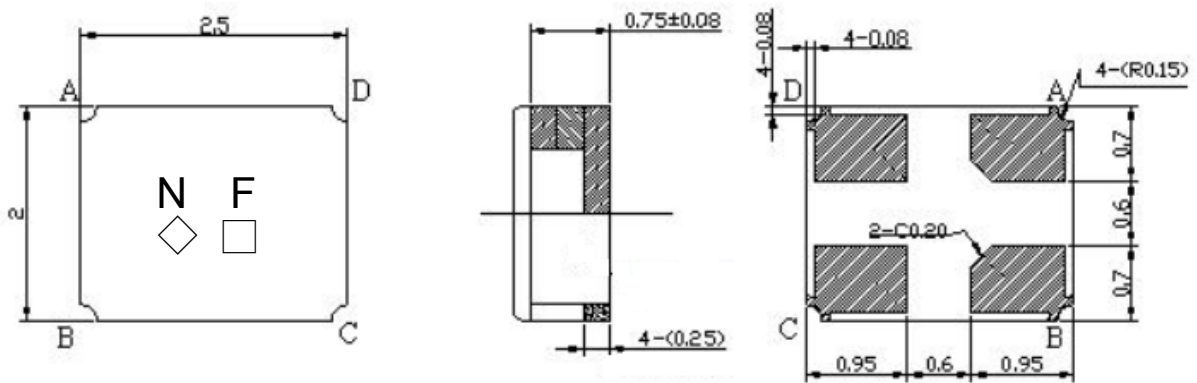
S22:



**E. MEASUREMENT CIRCUIT:**



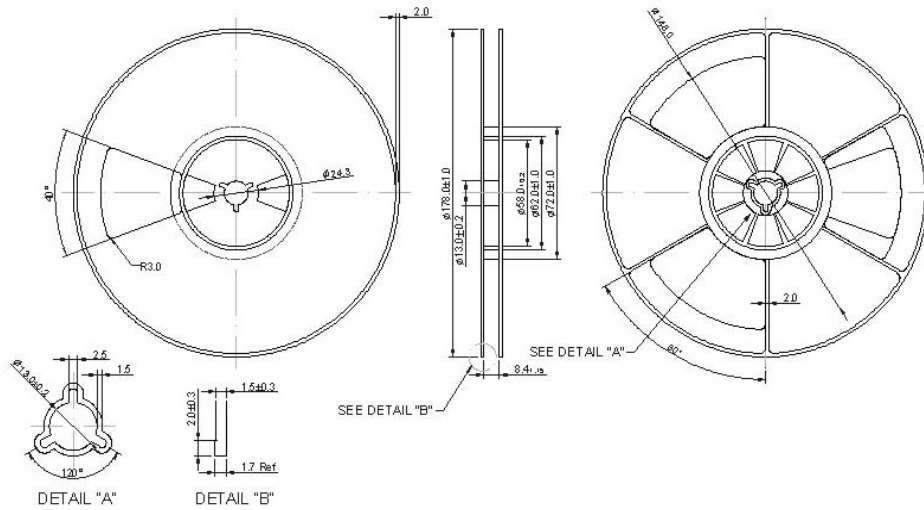
**F. OUTLINE DRAWING:**



- B : Input
- D : Output
- A, C : Ground
- ◇ : Date Code for Year
- : Date Code
- Unit : mm

## G. PACKING:

### 1. REEL DIMENSION



### 2. TAPE DIMENSION

