



# 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  
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## Product Specifications Approval Sheet

Product Description: SAW Filter 918 MHz SMD 2.5X2.0 mm

TST Part No.: TA1067A

Customer Part No.: \_\_\_\_\_

Customer signature required
Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: \_\_\_\_\_ Bob Chau 

Approved by: \_\_\_\_\_ Francis Chen 

Date: \_\_\_\_\_ 11,2, 2009

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 918 MHz

MODEL NO.: TA1067A

REV. NO.:2

### A. MAXIMUM RATING:

1. Input Power Level: 15 dB<sub>m</sub>
2. DC voltage: 5 V
3. Operating Temperature: -20°C to +70°C
4. Storage Temperature: -40°C to +85°C

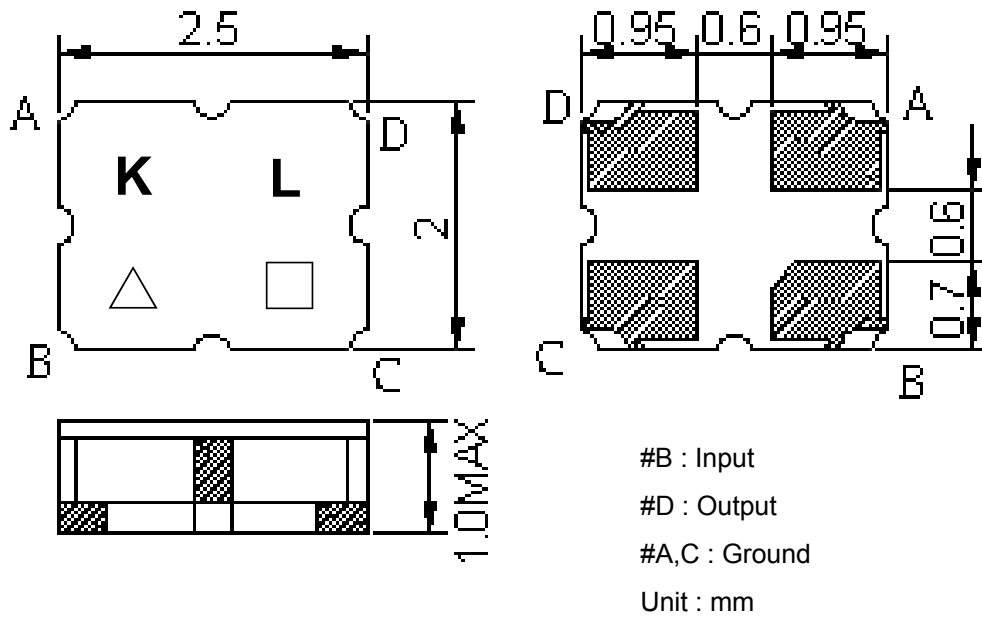
RoHS Compliant  
 Lead free  
 Lead-free soldering

### B. ELECTRICAL CHARACTERISTICS:

Item		Min.	Typ.	Max.
<b>Center frequency</b>	<b>F<sub>c</sub></b> (MHz)	-	918	-
<b>Min. Insertion loss</b>	<b>IL</b> (dB)	-	1.8	2.2
<b>Amplitude ripple</b> (915 ~ 921 MHz)	(dB)	-	0.2	1
<b>Attenuation</b> (Reference level from 0 dB)				
D.C ~ 868	MHz (dB)	30	49	-
968 ~ 1600	MHz (dB)	30	44	-
1600 ~ 2000	MHz (dB)	25	48	-
2000 ~ 3000	MHz (dB)	15	30	-
<b>Return Loss</b> (915 ~921 MHz)	(dB)	10	14	-
<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

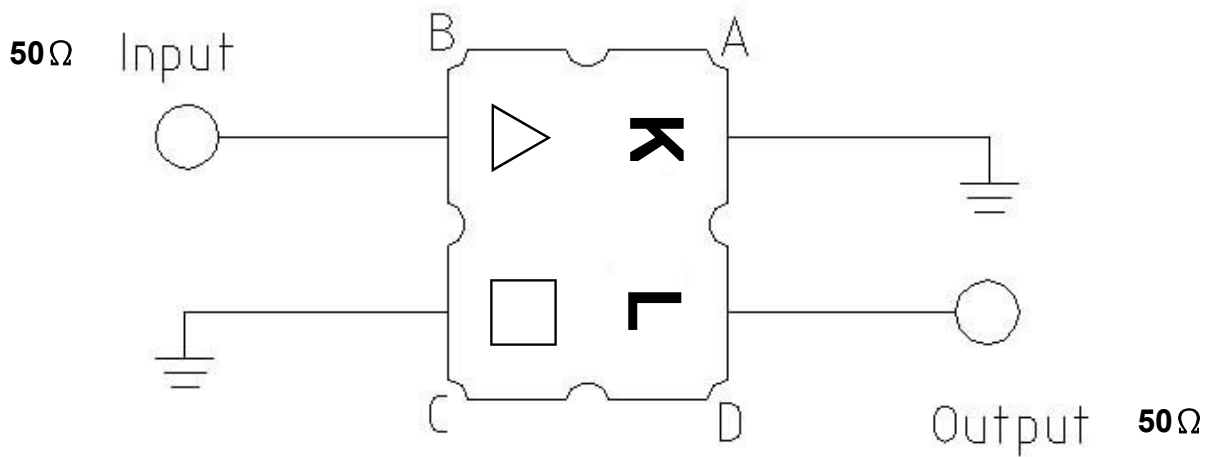
**C.OUTLINE DRAWING:**



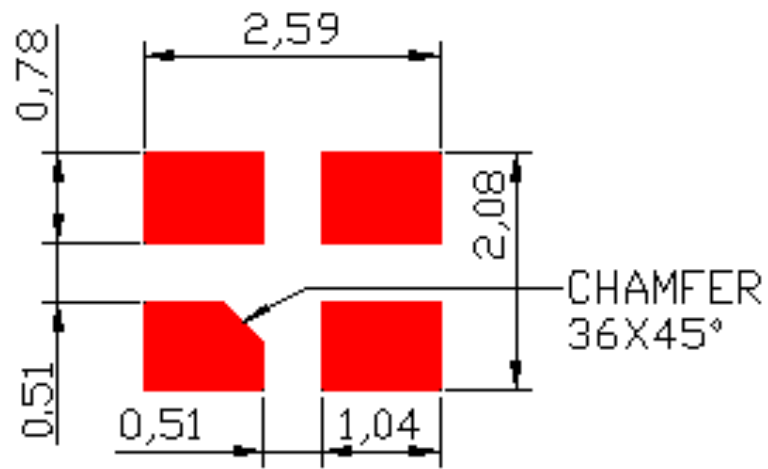
△ : Year Code (2006->6, ..., 2009->9)

□ : Date Code (W01->A,W02->B,...W27->a,...,W52->z)

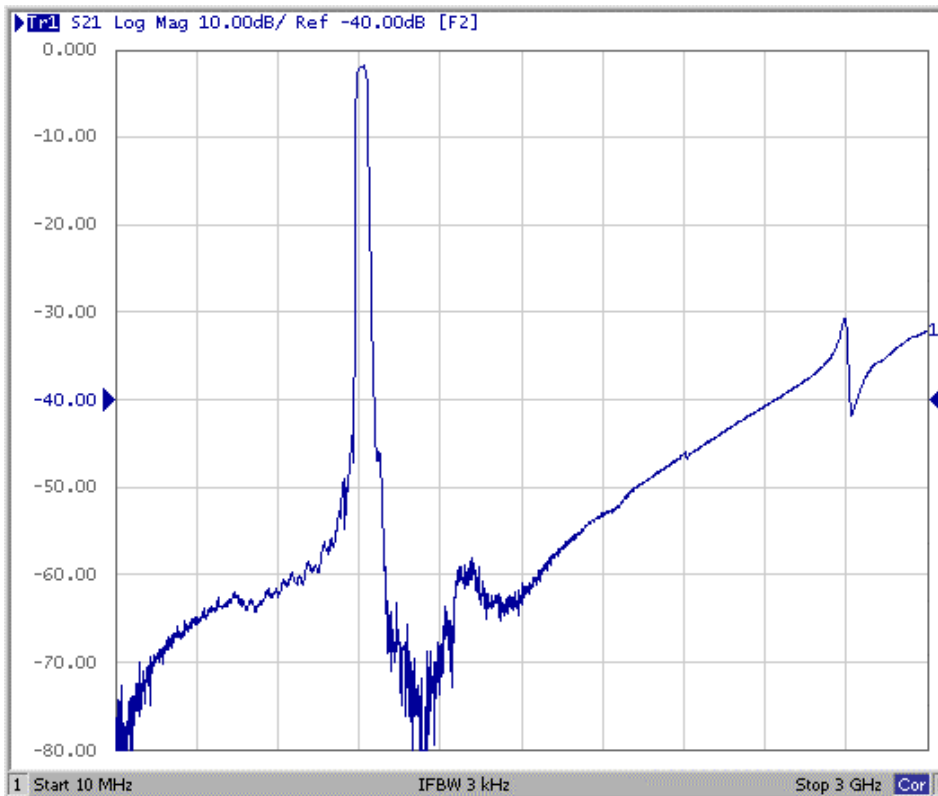
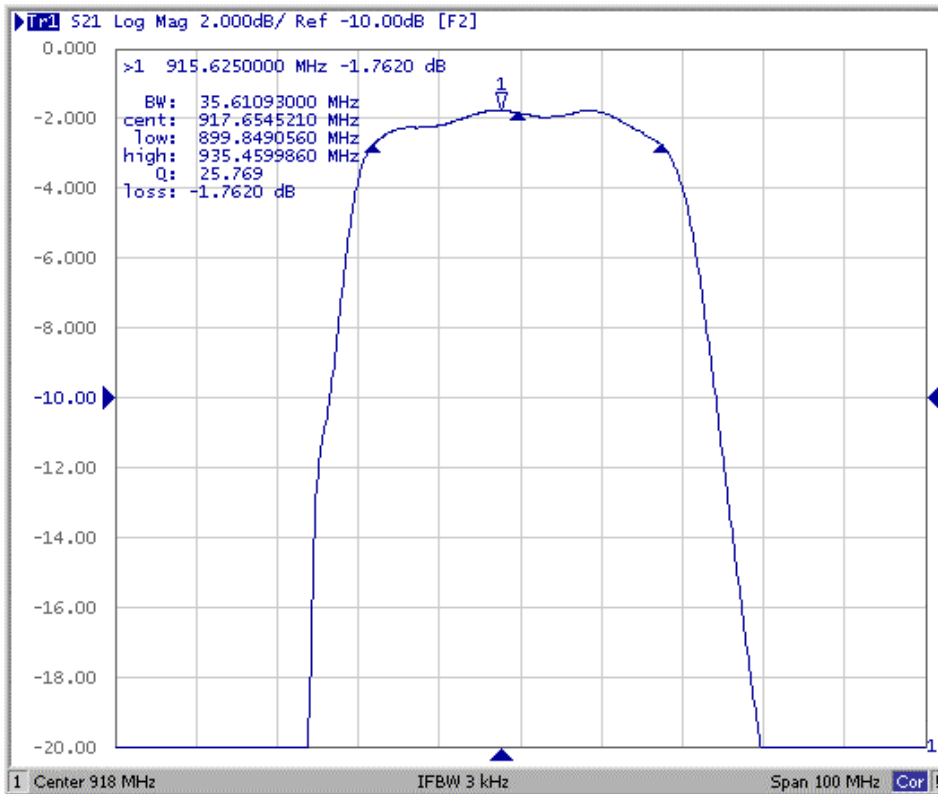
**D. MEASUREMENT CIRCUIT:**



E. PCB Footprint:

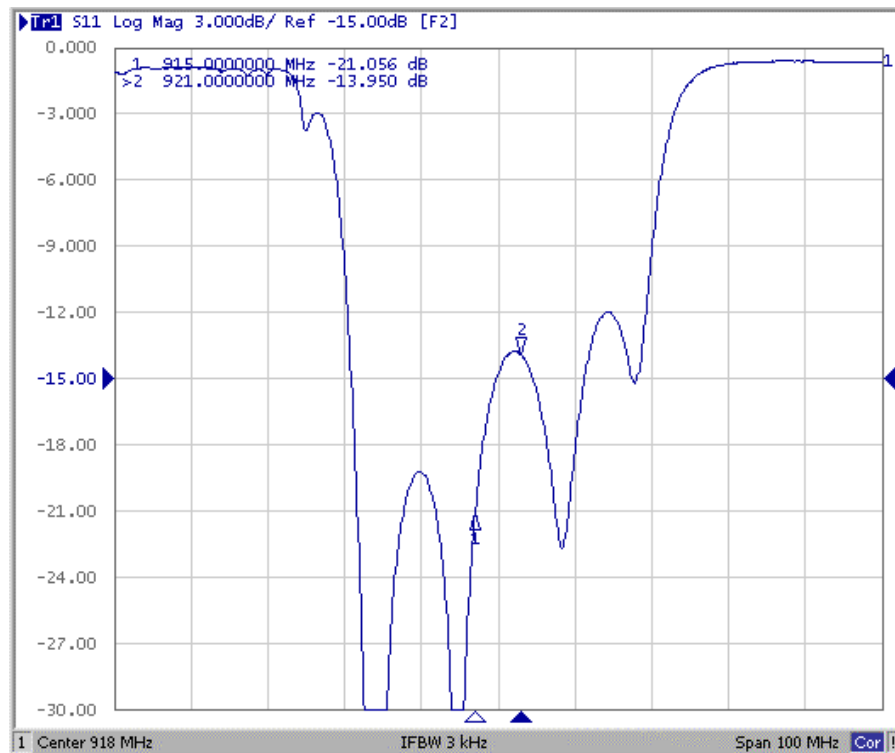


## F. Frequency Characteristics : Transfer function

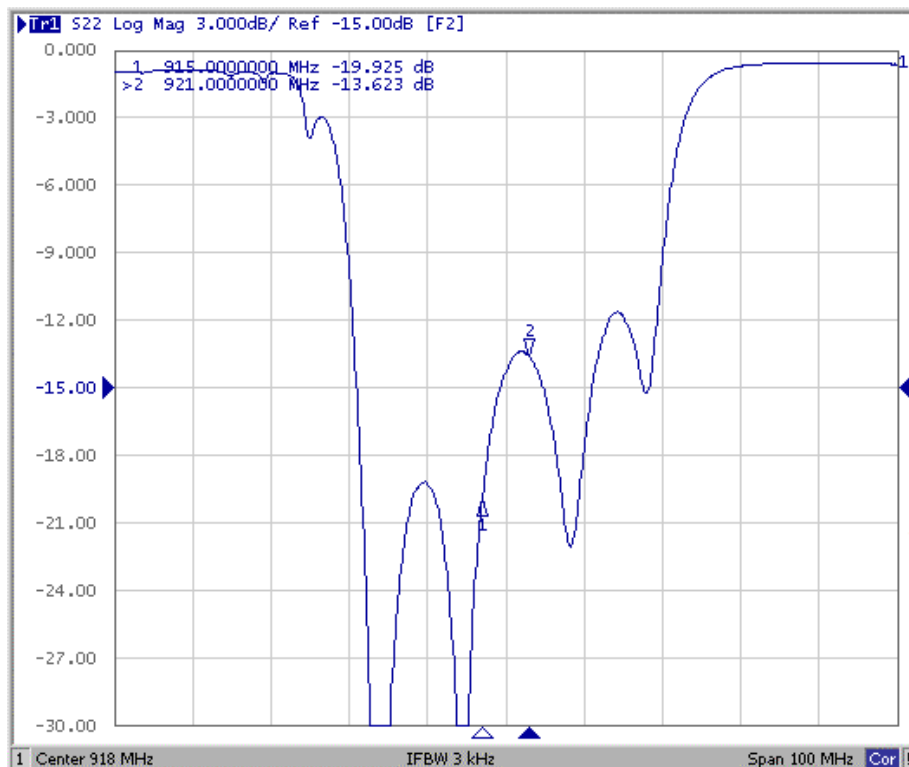


## Reflections Functions :

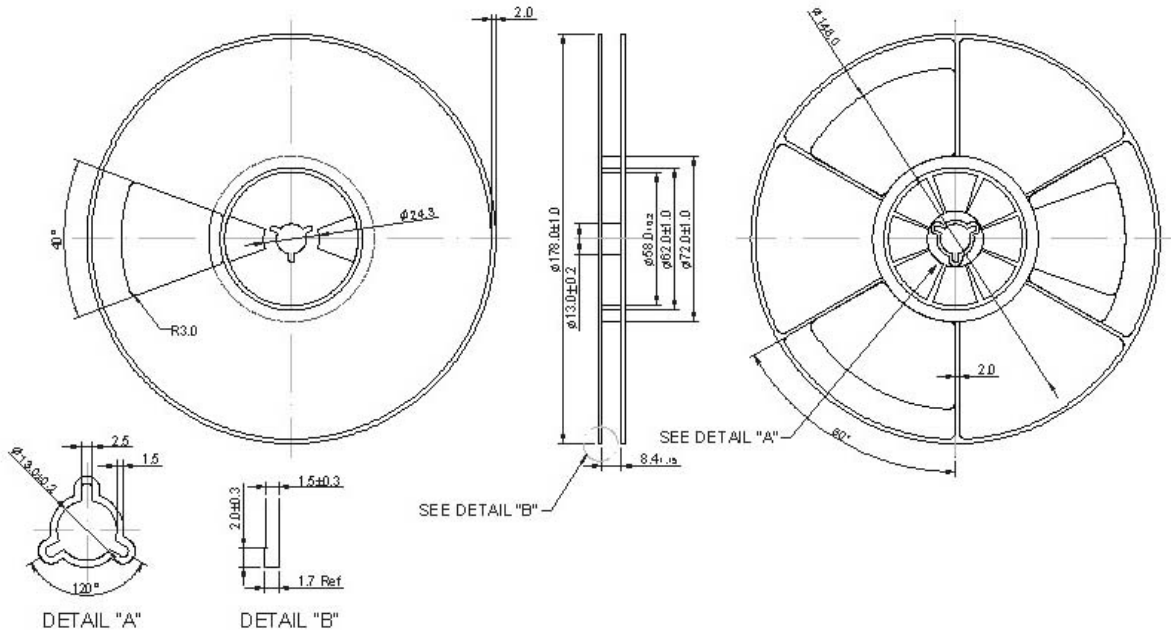
### S11 Return Loss



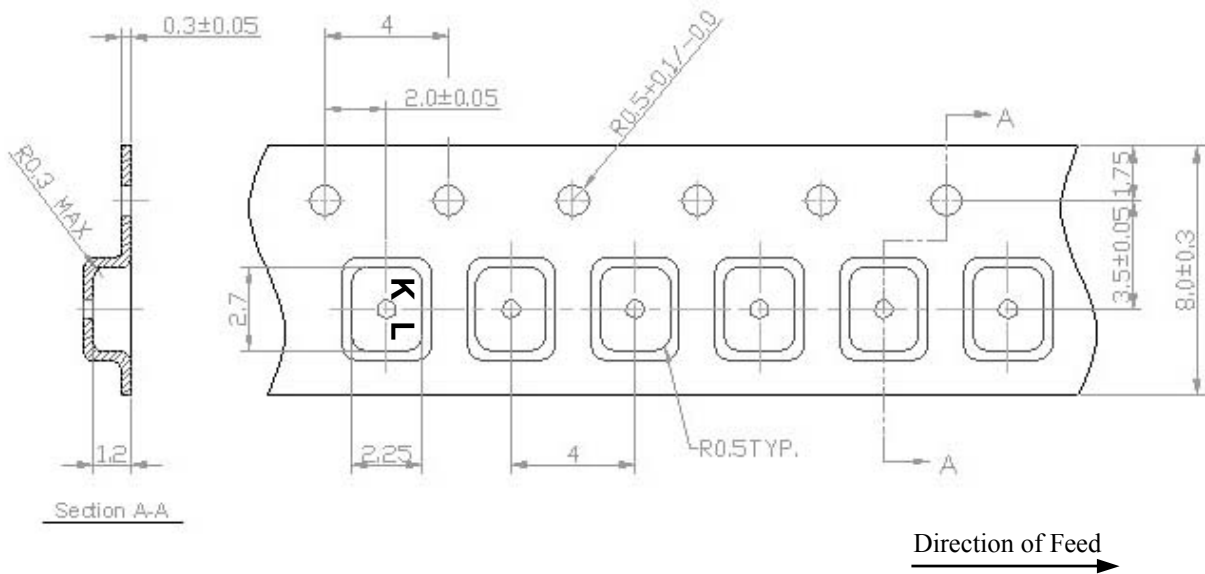
### S22 Return Loss



**G. PACKING:**  
**1. REEL DIMENSION**



**2. TAPE DIMENSION**



**H. RECOMMENDED REFLOW PROFILE :**

