



# 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: March, 13, 2003

Product Name: SAW Filter 1960MHz SMD 2.5X2.0 mm

TST Parts No.: TA0207A

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

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

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

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

Date: \_\_\_\_\_ 3,13,2003



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## SAW Filter 1960 MHz for Mobile Communication

MODEL NO.: TA0207A

REV. NO.:2.0

### A. MAXIMUM RATING:

1. Input Power Level: 10 dB<sub>m</sub>
2. DC voltage: 0 V
3. Operating Temperature: -25°C to +75°C
4. Storage Temperature: -40°C to +85°C

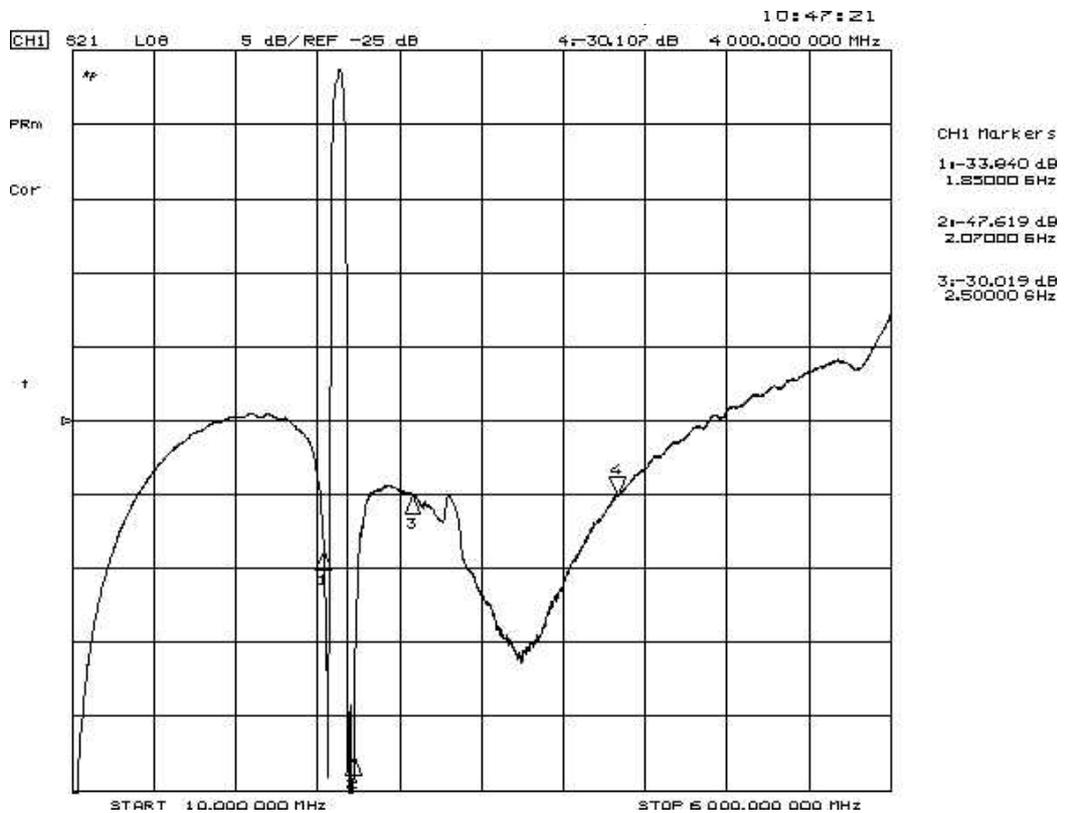
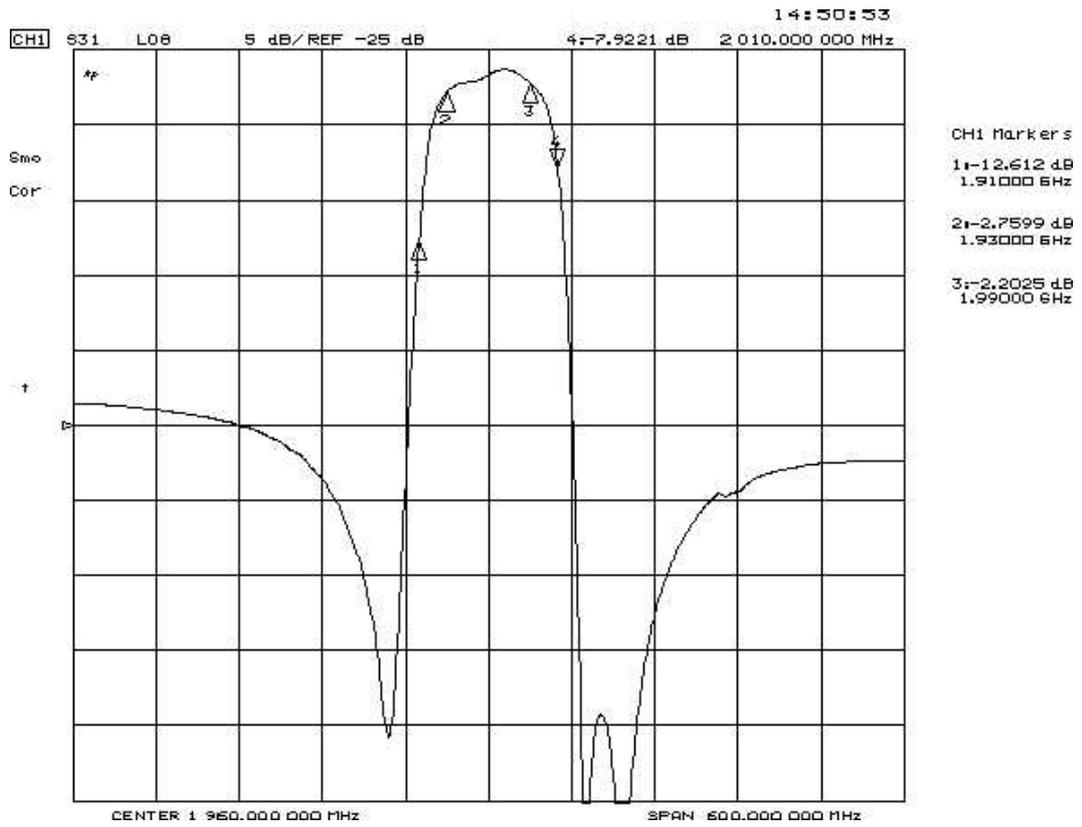
RoHS Compliant  
Lead free  
Lead-free soldering

### B. ELECTRICAL CHARACTERISTICS:

Item	Min.	Typ.	Max.
<b>Center frequency</b> <span style="float: right;"><b>F<sub>c</sub></b> (dB)</span>	-	1960	-
<b>Insertion loss</b> within 1930 ~1990 MHz <span style="float: right;"><b>IL</b> (dB)</span>	-	2.7	3.3
<b>Amplitude ripple</b> (p-p) within 1930 ~ 1990 MHz (dB)	-	1.2	2.0
<b>Attenuation</b> (Reference level from 0 dB)			
D.C. ~ 1850 MHz (dB)	17.0	24.5	-
1850 ~ 1910 MHz (dB)	6.0	12.6	-
2010 ~ 2070 MHz (dB)	4.5	8.0	-
2070 ~ 2500 MHz (dB)	20.0	29.0	-
2500 ~ 4000 MHz (dB)	23.0	30.0	-
<b>VSWR</b> within 1930 ~1990 MHz	-	1.7	2.5
<b>Source impedance</b> <span style="float: right;"><b>Z<sub>s</sub></b> (Ω)</span>	-	50	-
<b>Load impedance</b> <span style="float: right;"><b>Z<sub>L</sub></b> (Ω)</span>	-	50	-

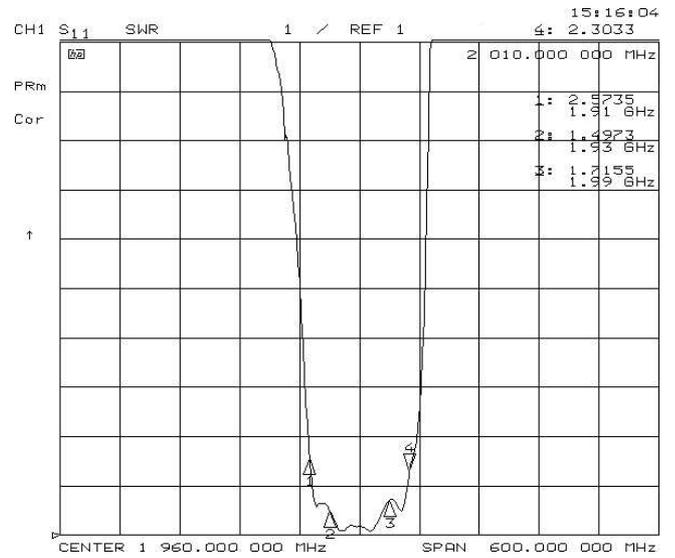
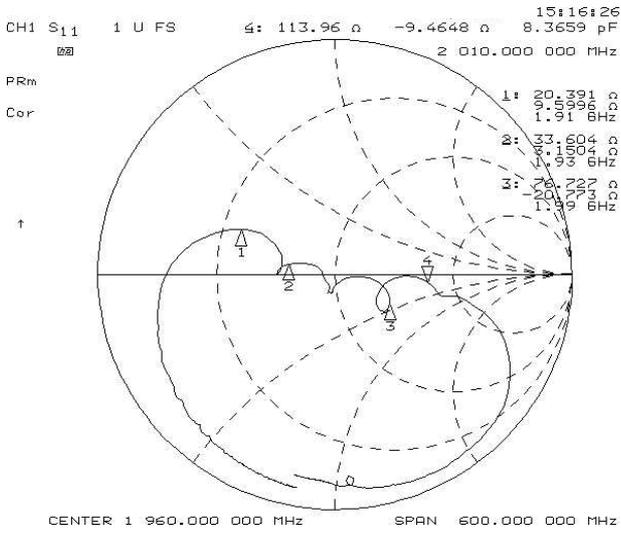
Note1. No matching network required for operation at 50 Ω

### C. Frequency Characteristics : Transfer function

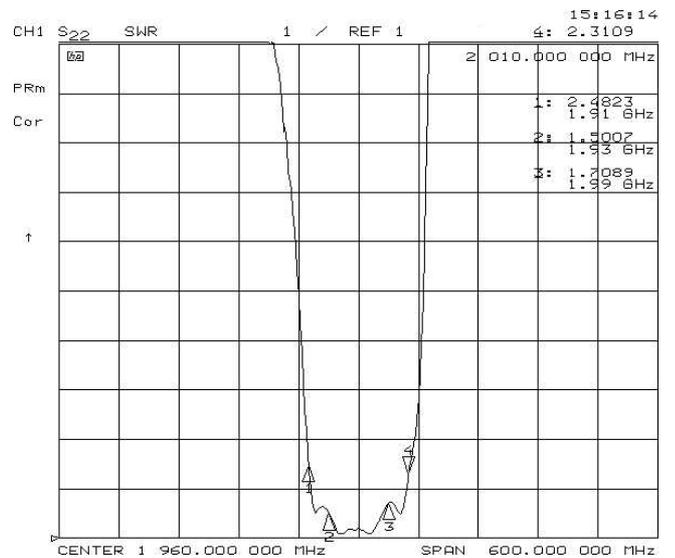
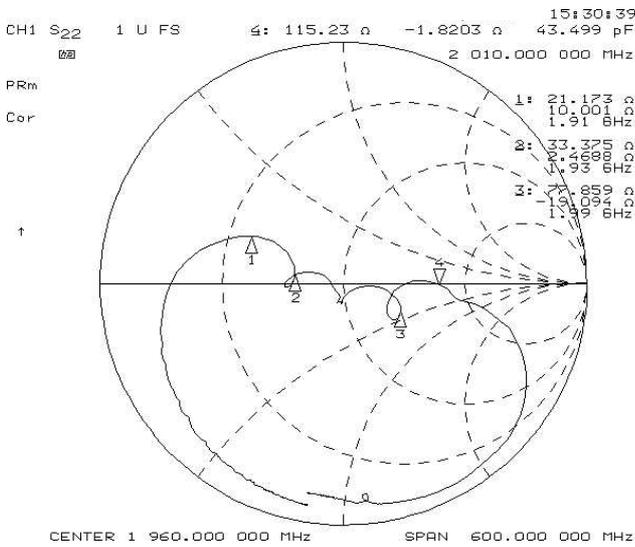


# Reflections Functions :

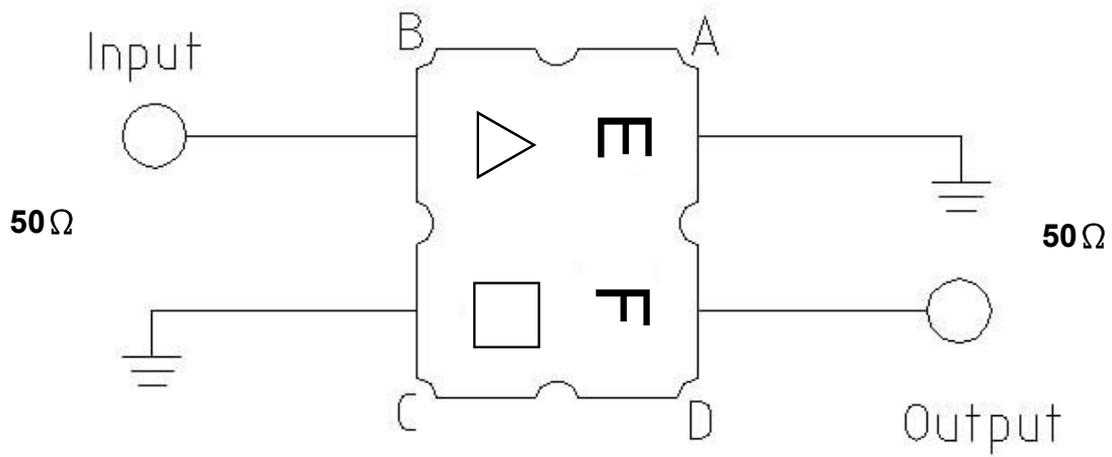
## S11 VSWR



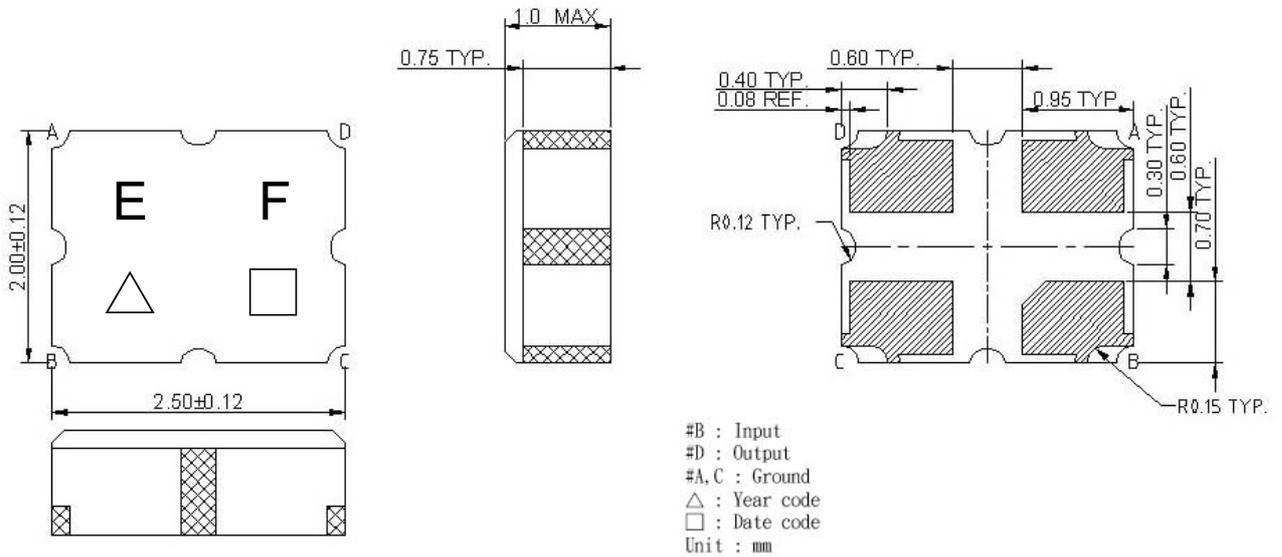
## S22 VSWR



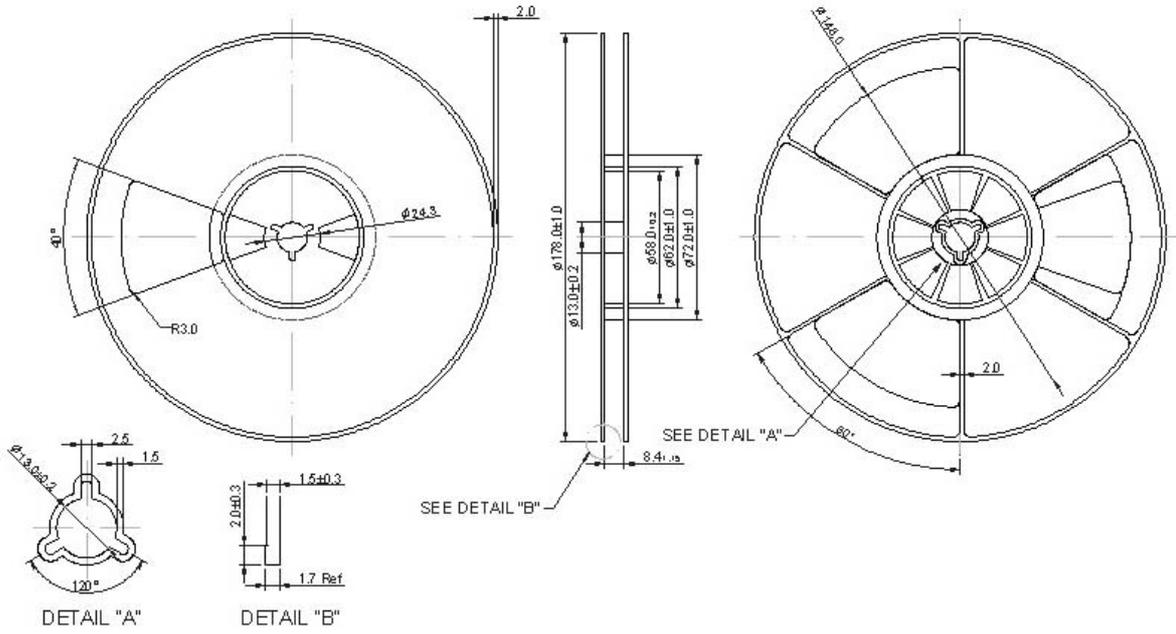
**D. MEASUREMENT CIRCUIT:**



**E. OUTLINE DRAWING:**



**F. PACKING:**  
**1. REEL DIMENSION**



**2. TAPE DIMENSION**

