



# 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: July, 31, 2007

Product Name: SAW Filter 1486.5 MHz SMD 3.0X3.0 mm

TST Parts No.: TA0720A

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

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

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

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

Date: \_\_\_\_\_ 7, 31, 2007



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## SAW Filter 1486.5 MHz

MODEL NO.:TA0720A

REV. NO.:1

### A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: 0°C to +50°C
4. Storage Temperature: -40°C to +85°C

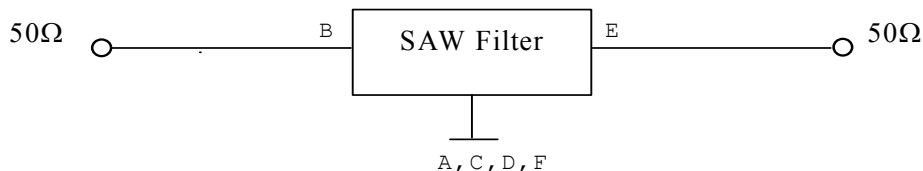
RoHS Compliant  
Lead free  
Lead-free soldering

### B. ELECTRICAL CHARACTERISTICS:

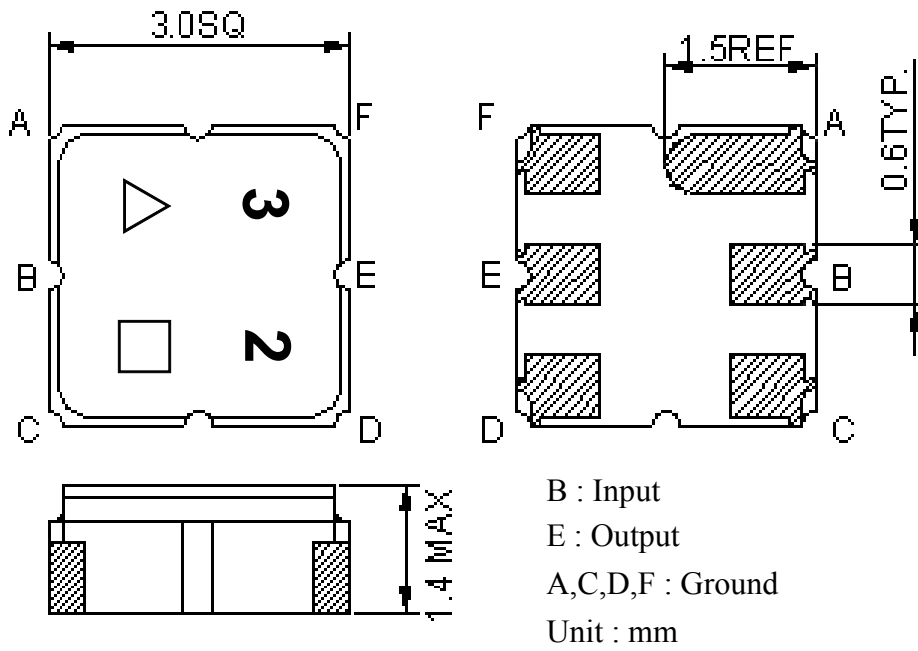
Item	Unit	Min.	Type.	Max.	Note
Center Frequency Fc	MHz	-	1486.5	-	-
Insertion Loss (1484 ~ 1489 MHz) IL	dB	-	3	4	-
Amplitude Ripple (1484 ~ 1489 MHz)	dB	-	0.2	1	-
VSWR (1484 ~ 1489 MHz)		-	1.6	2	-
<b>Attenuation</b> (Reference level from 0 dB)					
D.C. ~ 100 MHz	dB	60	69	-	-
1395 ~ 1400 MHz	dB	20	48	-	-
1573 ~ 1578 MHz	dB	20	52	-	-
2881.5 ~ 2886.5 MHz	dB	40	43	-	-
3059.5 ~ 3064.5 MHz	dB	40	42	-	-

### C. MEASUREMENT CIRCUIT:

HP Network analyzer



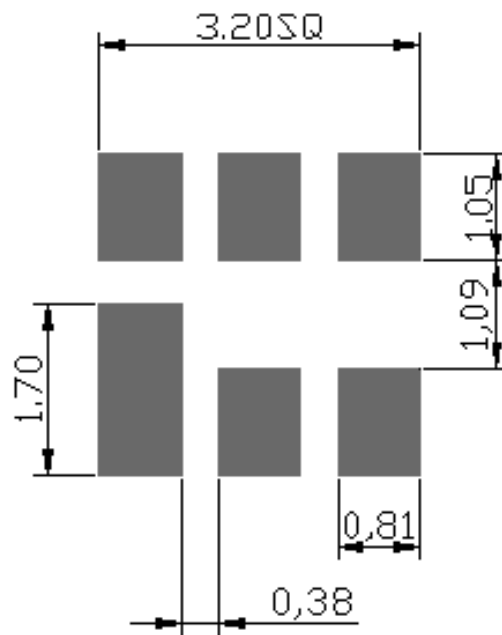
**D.OUTLINE DRAWING:**



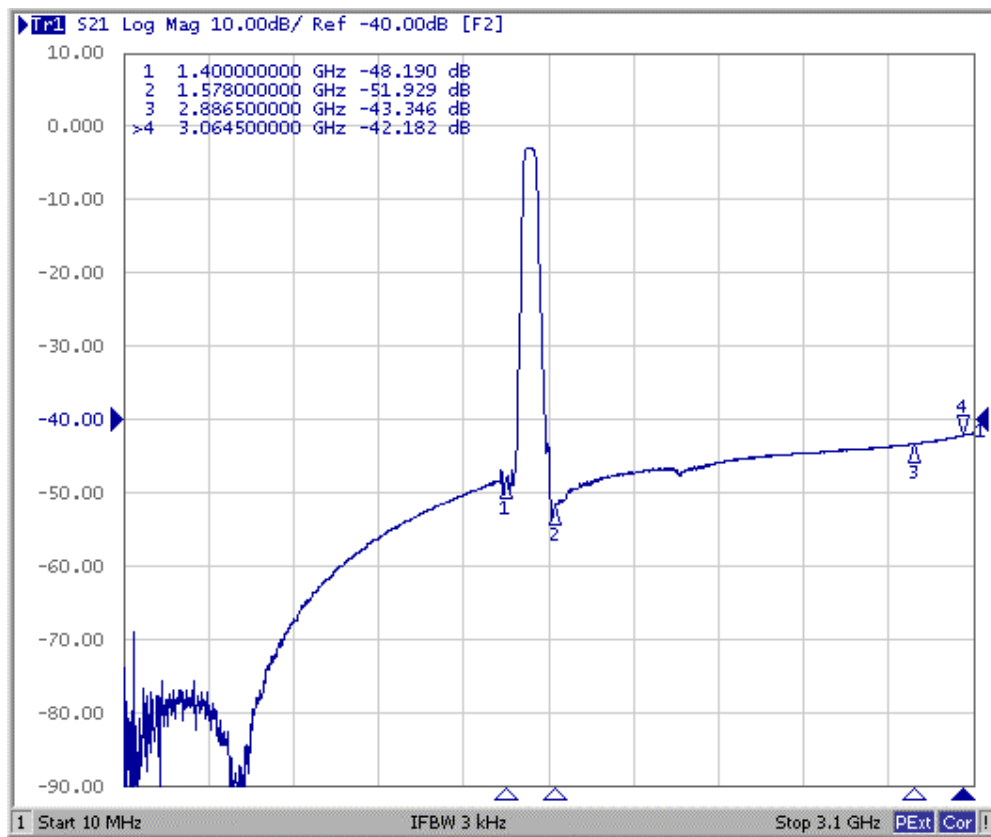
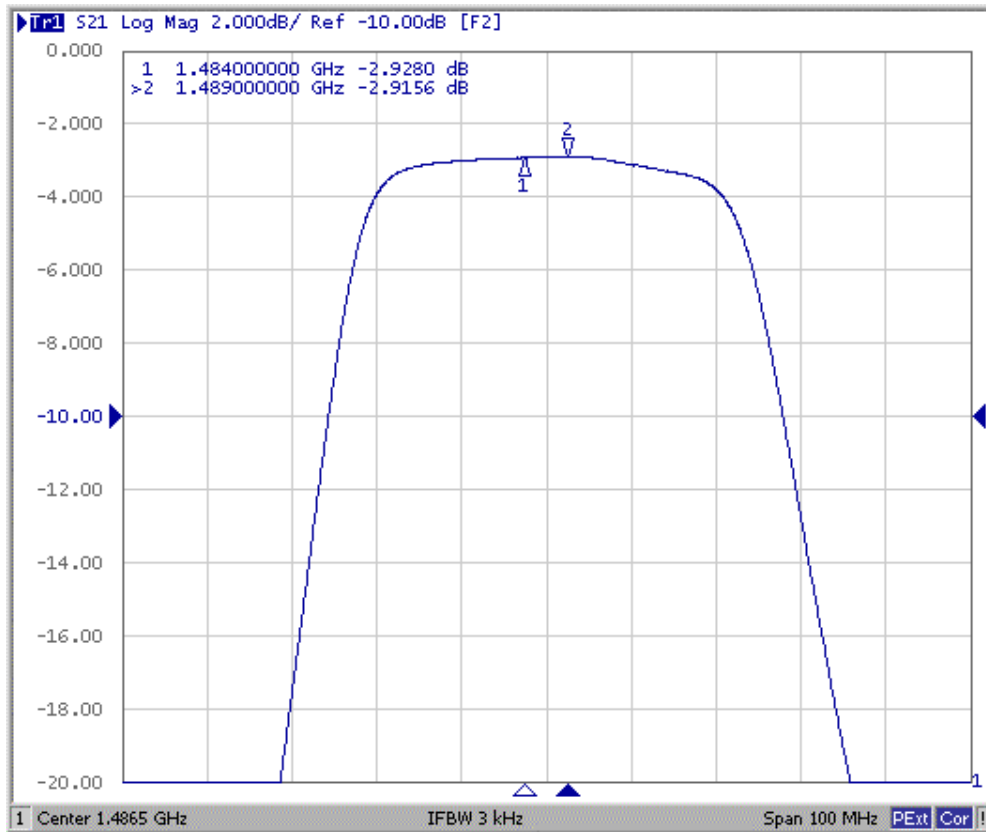
△ : Year Code (2006->6, ..., 2009->9)

□ : Date Code (Follow the table from planner each year)

**E. PCB Footprint:**

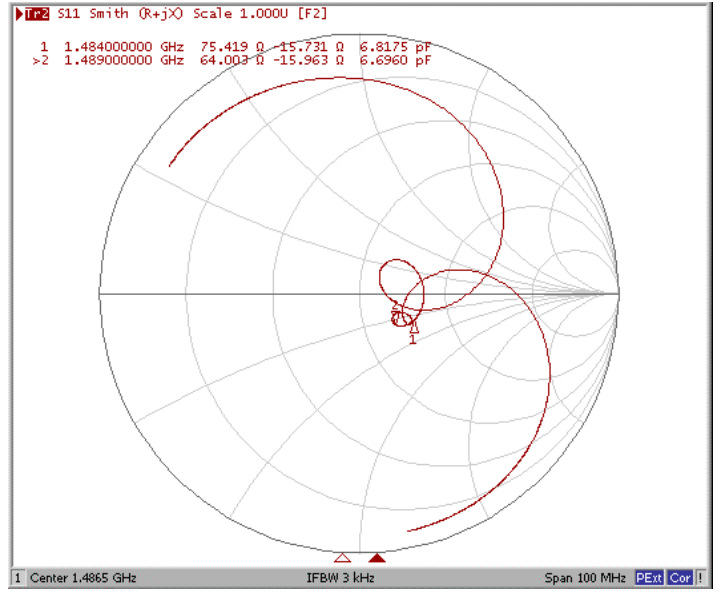
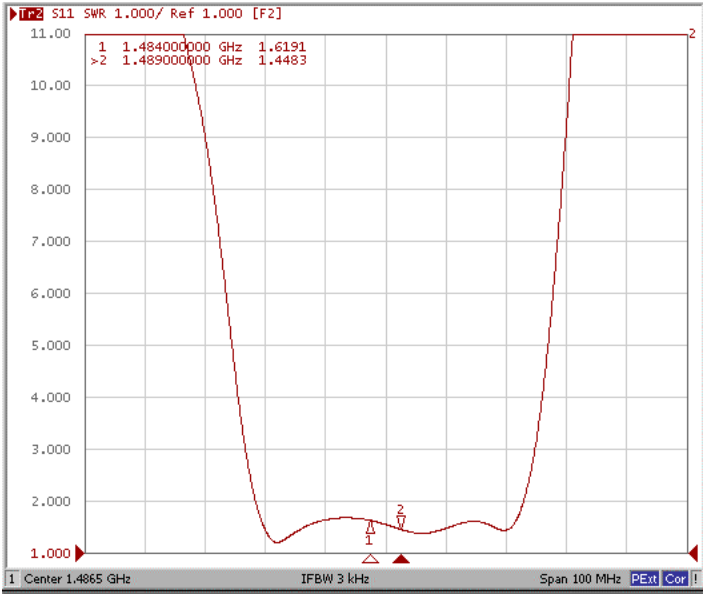


## F. Frequency Characteristics :

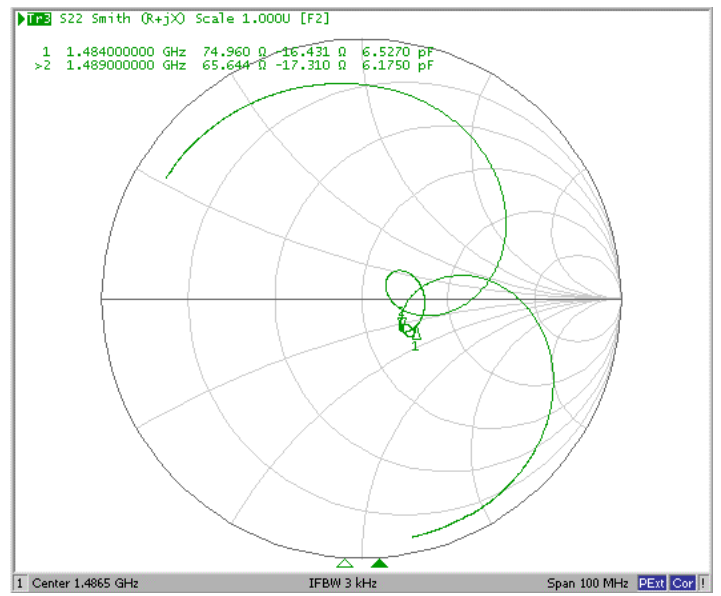
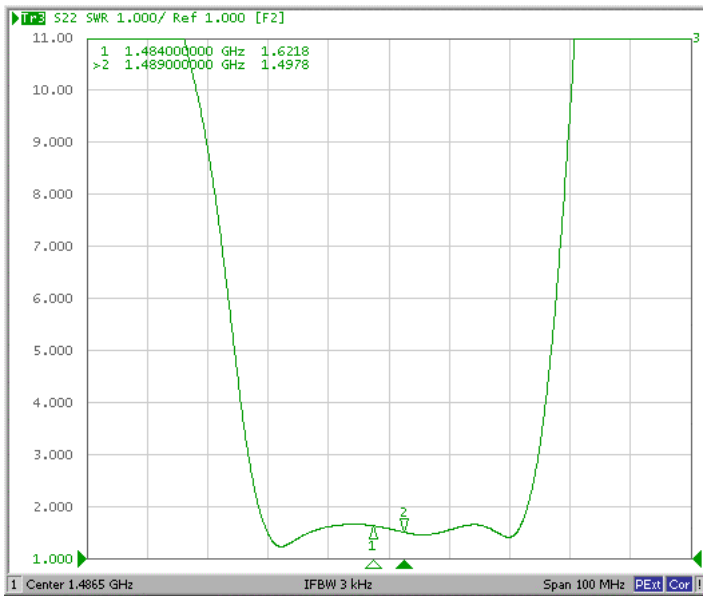


# Reflection Functions :

## S11



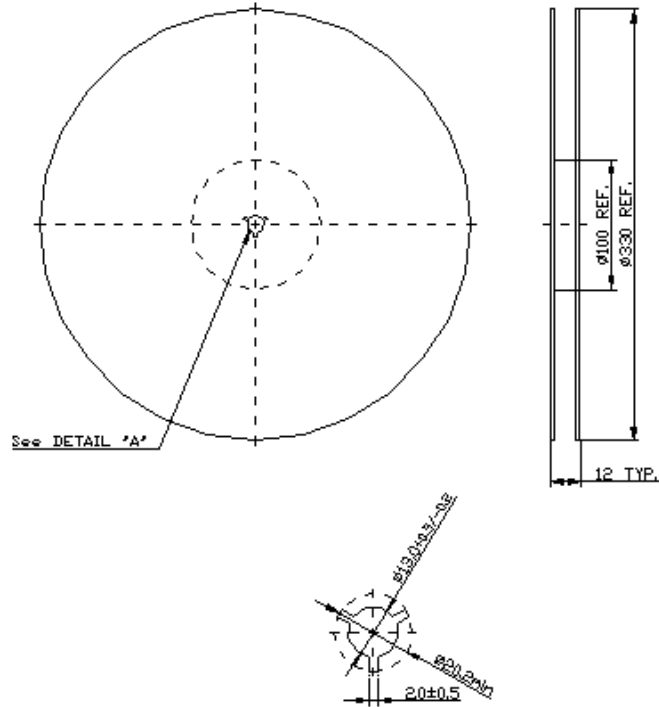
## S22



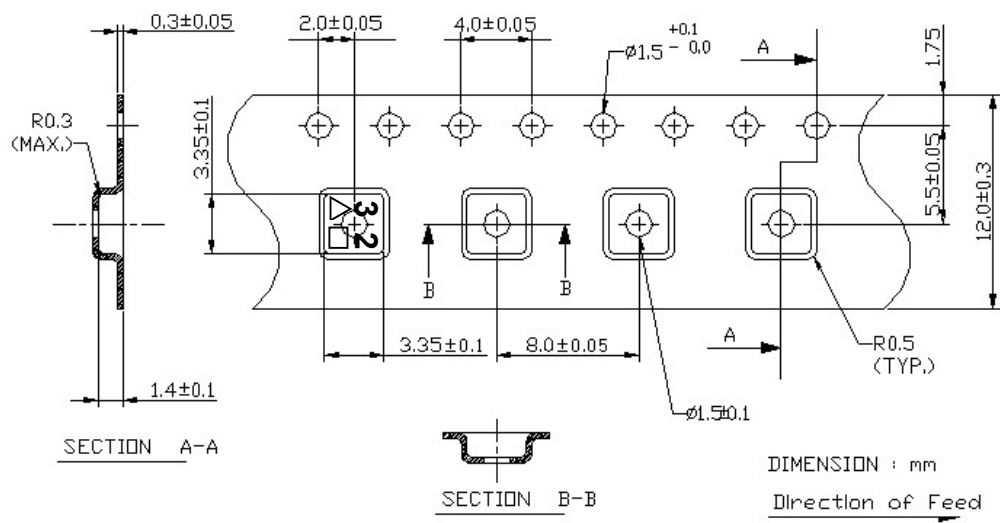
## G. PACKING:

### 1. REEL DIMENSION

(Reel Count : 7"=1000 ; 13"=3000 )



### 2. TAPE DIMENSION



## H. RECOMMENDED REFLOW PROFILE :

