



# TAI-SAW TECHNOLOGY CO., LTD.

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## Approval Sheet For Product Specification

Issued Date:

Product Name: SAW Filter 881.5MHz SMD3.0x3.0 for CDMA

TST Parts No.: TA881GG

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

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

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

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

Date: \_\_\_\_\_ March, 11, 2005



# 台灣嘉碩科技股份有限公司

TAI-SAW TECHNOLOGY CO., LTD.

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## SAW Filter 881.5 MHz For CDMA

MODEL NO.: TA881GG

REV. NO.:2

### A. MAXIMUM RATING:

1. Input Power Level: +15 dB<sub>m</sub>
2. DC voltage: -5~+5 V
3. Operating Temperature: -30°C ~ +85°C
4. Storage Temperature: -40°C ~ +100°C

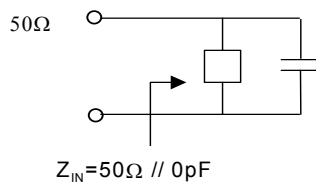
RoHS Compliant  
Lead free  
Lead-free soldering

### B. ELECTRICAL CHARACTERISTICS:

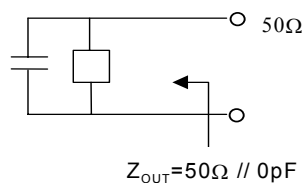
Characteristics			Value			Note
			Min.	Typ.	Max.	
Center frequency	<b>F<sub>c</sub></b>	MHz	-	881.5	-	-
Insertion loss( 869 ~ 894 MHz)	<b>I.L.</b>	dB	-	2.8	3.5	-
V.S.W.R( 869 ~ 894 MHz)		dB	-	1.6	2.0	-
Ripple( 869 ~ 894 MHz)		dB	-	0.7	1.6	-
<b>Attenuation:( Reference level from 0 dB)</b>						
1) D.C. ~ 779 MHz		dB	50	60.1	-	-
2) 779 ~ 849 MHz		dB	45	49.8	-	-
3) 914 ~ 970 MHz		dB	28	31.1	-	-
4) 970 ~ 1049 MHz		dB	50	62.1	-	-
5) 1049 ~ 2000 MHz		dB	40	47.2	-	-
Impedance at <b>F<sub>c</sub></b> ; Input	$Z_{IN}=R_{IN} // C_{IN}$		50Ω // 0 PF			1
Output	$Z_{OUT}=R_{OUT} // C_{OUT}$		50Ω // 0 PF			1

Note1

Source impedance

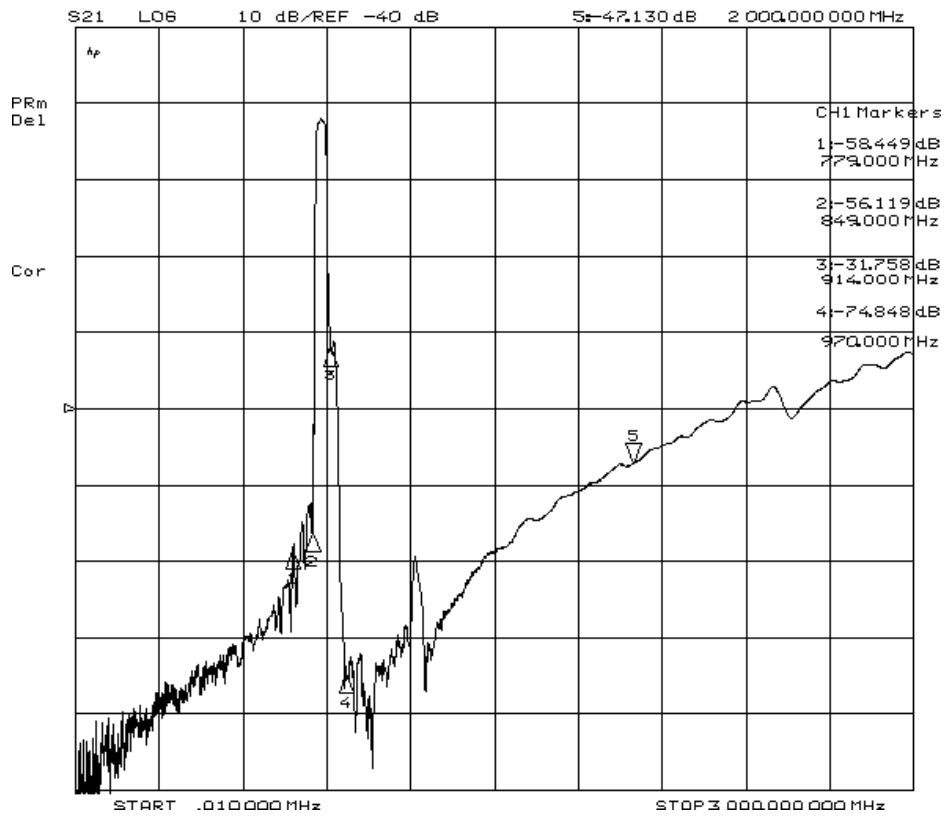
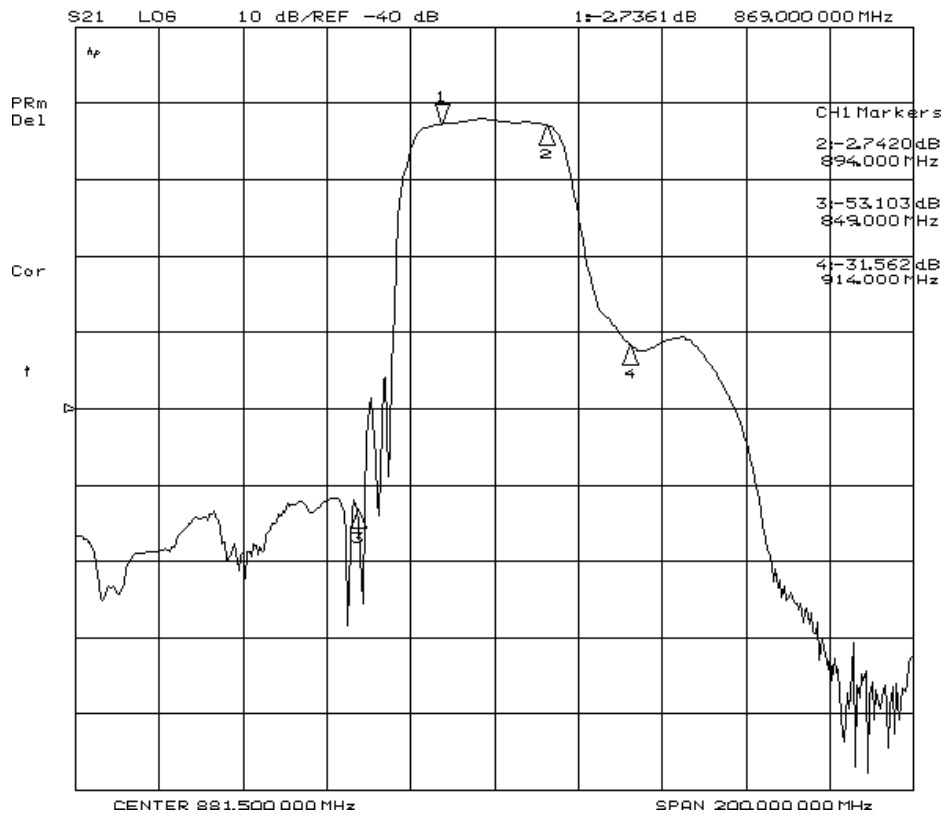


Load impedance



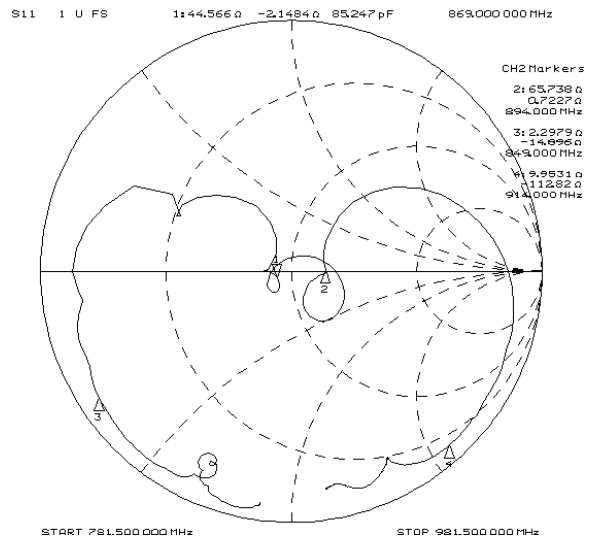
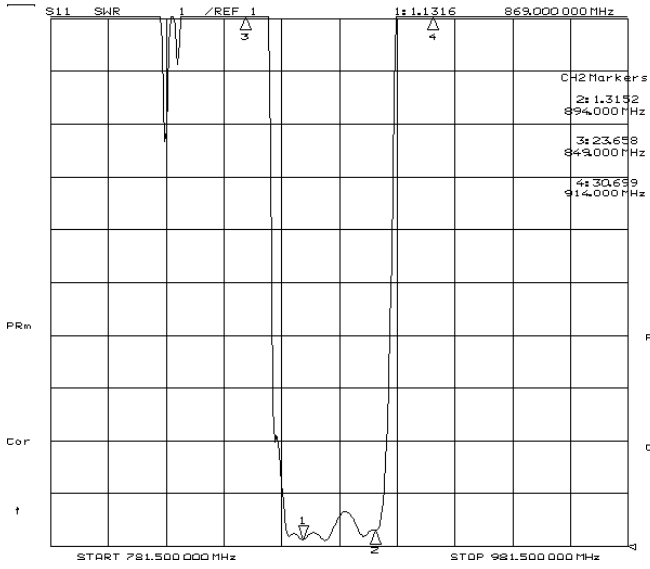
### C.FREQUENCY CHRACTERISTICS:

#### 1.wideband response:

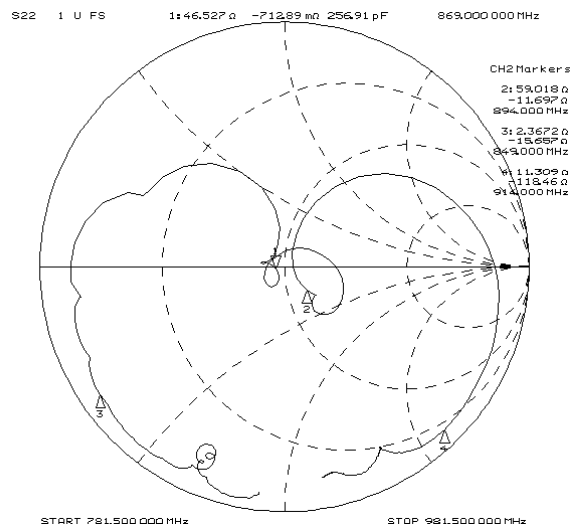
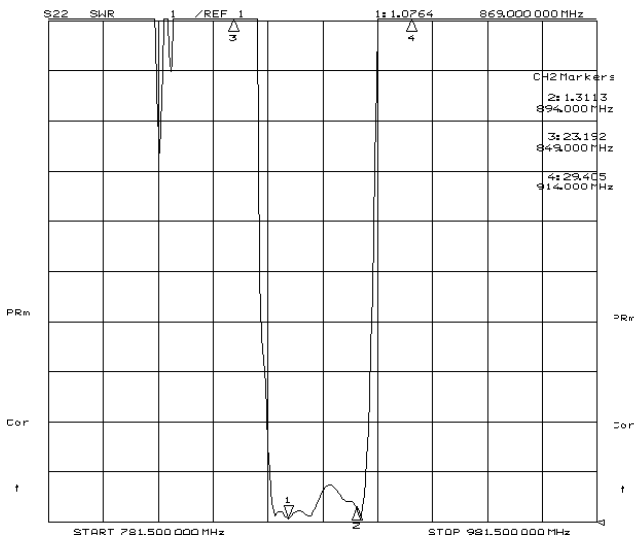


2.VSWR and smith chart:

S11

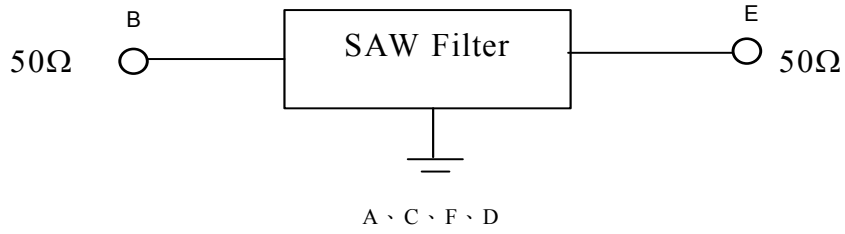


S22

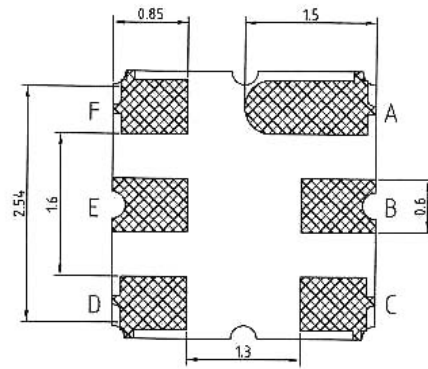
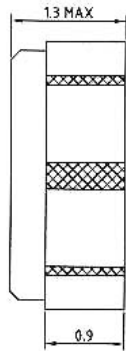
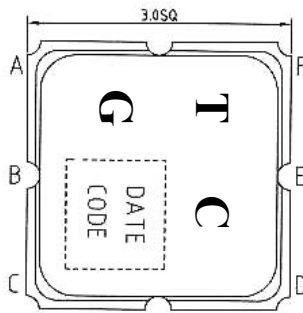


D. MEASUREMENT CIRCUIT:

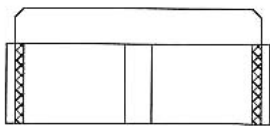
Network analyzer



E. OUTLINE DRAWING:

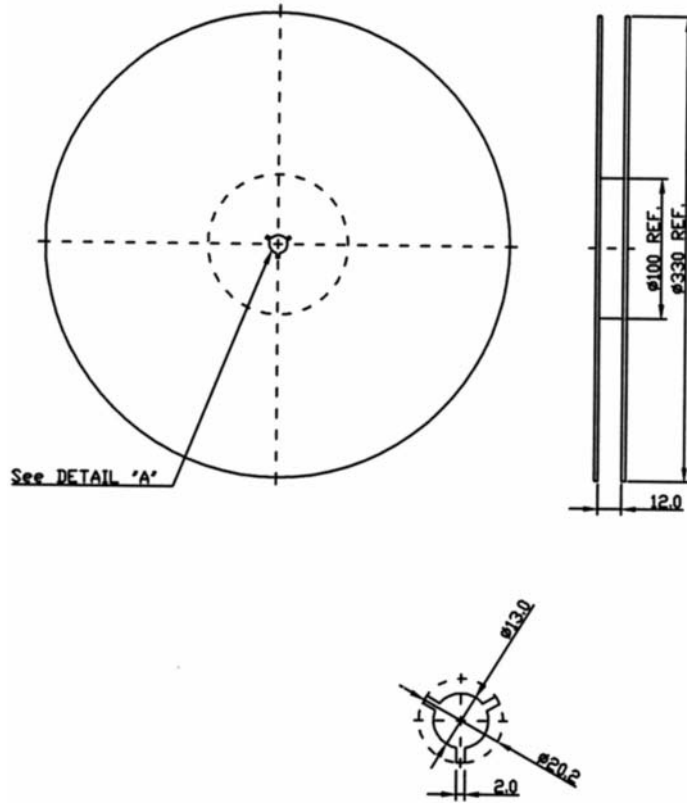


B INPUT  
 E OUTPUT  
 A,C,D,F GROUND



F. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

