



TAI-SAW TECHNOLOGY CO., LTD.

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Approval Sheet For Product Specification

Issued Date:

Product Name: SAW Filter 881.5MHz SMD 3.0X3.0 for CDMA

TST Parts No.: TA1020A

Customer Parts No.: _____

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Anne Chen

陳秀宜

Approval by: _____ Francis Chen

陳秀宜

Date: _____ 4. 29. 2009



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SAW Filter 881.5 MHz For CDMA

MODEL NO.: TA1020A

REV. NO.:1

A. MAXIMUM RATING:

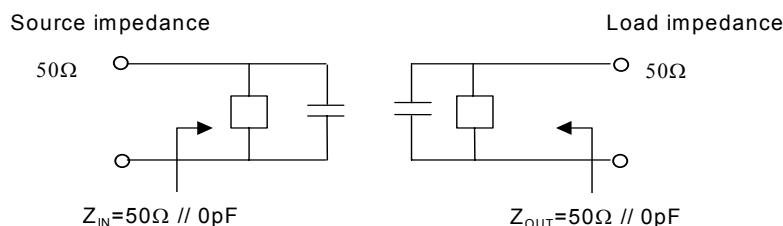
RoHS Compliant
Lead free
Lead-free soldering

1. Input Power Level: +15 dB_m
2. DC voltage: -5~+5 V
3. Operating Temperature: -40°C ~ +70°C
4. Storage Temperature: -40°C ~ +100°C

B. ELECTRICAL CHARACTERISTICS:

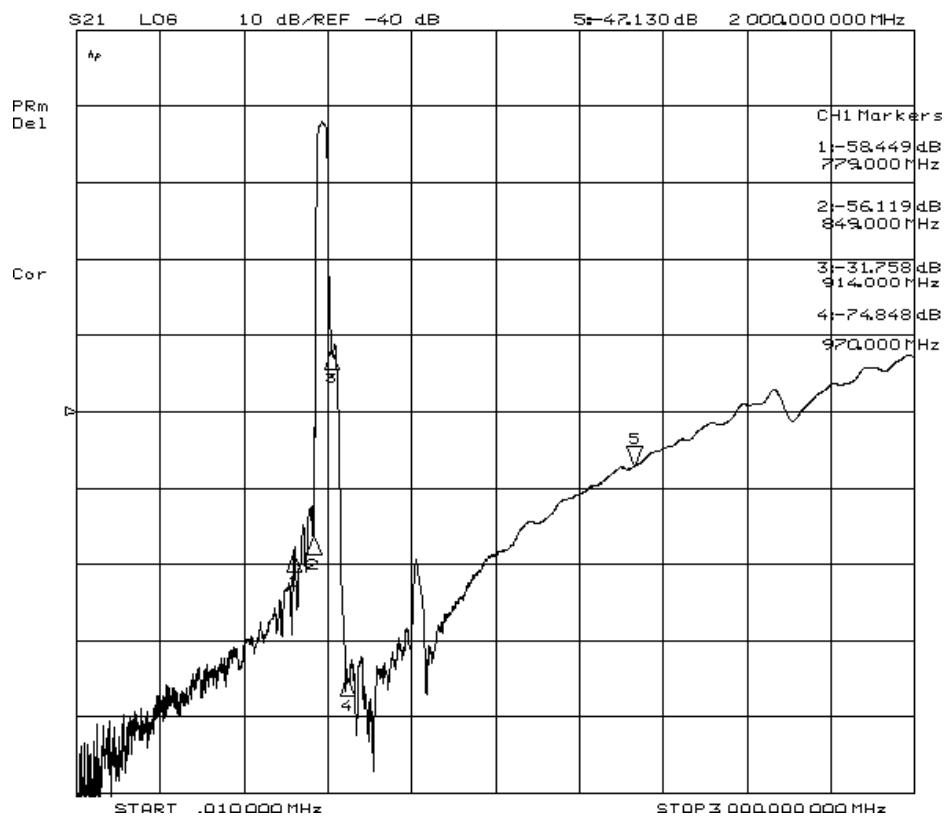
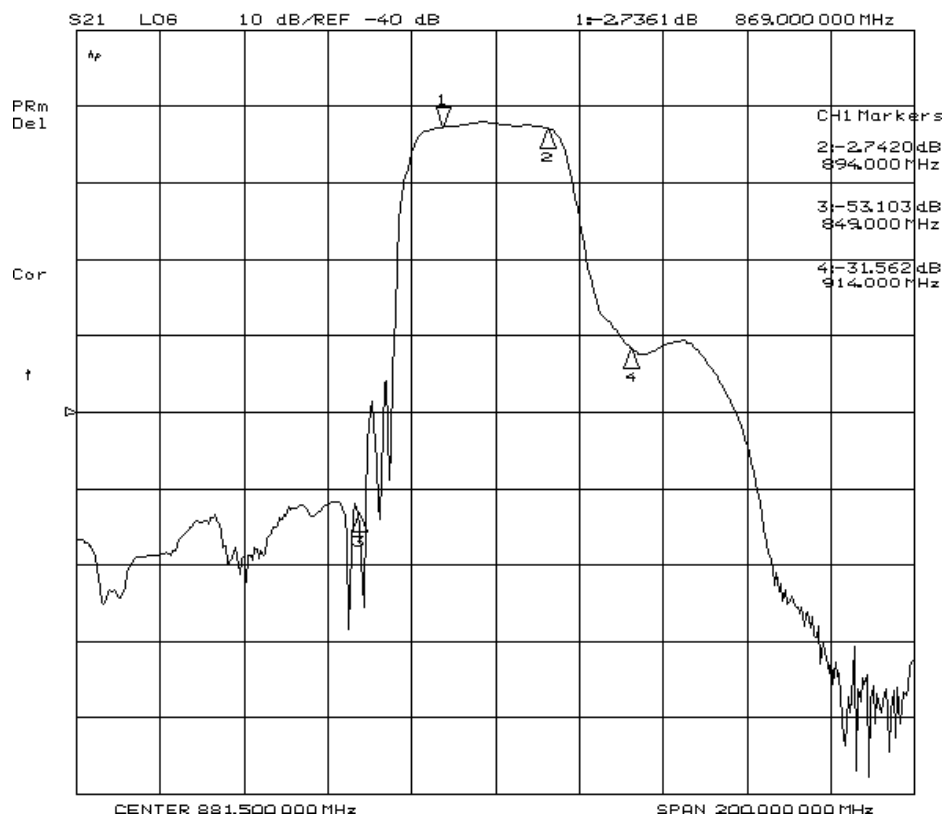
Characteristics	Value			Note
	Min.	Typ.	Max.	
Center frequency F_c MHz	-	881.5	-	-
Insertion loss(869 ~ 894 MHz) I.L. dB	-	2.8	3.5	-
V.S.W.R(869 ~ 894 MHz) dB	-	1.6	2.0	-
Ripple(869 ~ 894 MHz) dB	-	0.7	1.6	-
Attenuation:(Reference level from 0 dB)				
1) D.C. ~ 779 MHz dB	50	60.1	-	-
2) 779 ~ 849 MHz 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 F_c ; Input $Z_{IN}=R_{IN}/C_{IN}$	50Ω // 0 PF			1
Output $Z_{OUT}=R_{OUT}/C_{OUT}$	50Ω // 0 PF			1

Note1



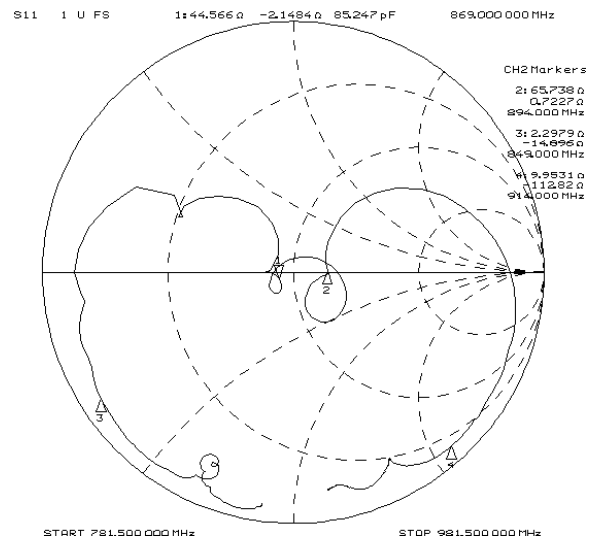
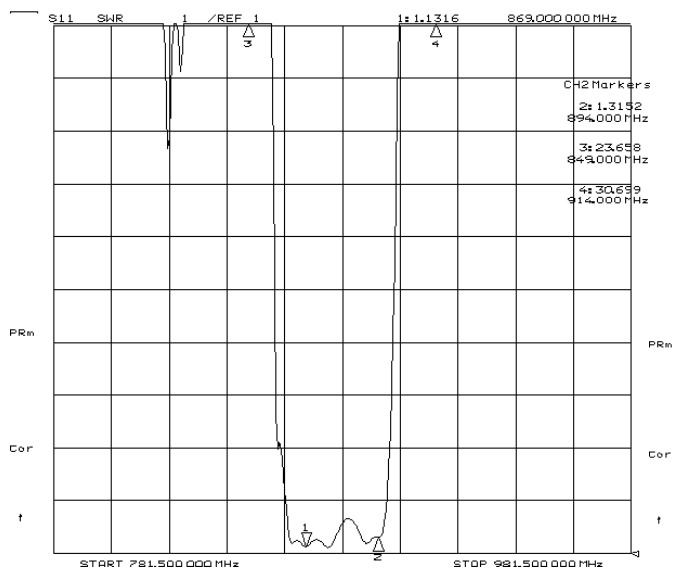
C.FREQUENCY CHRACTERISTICS:

1.wideband response:

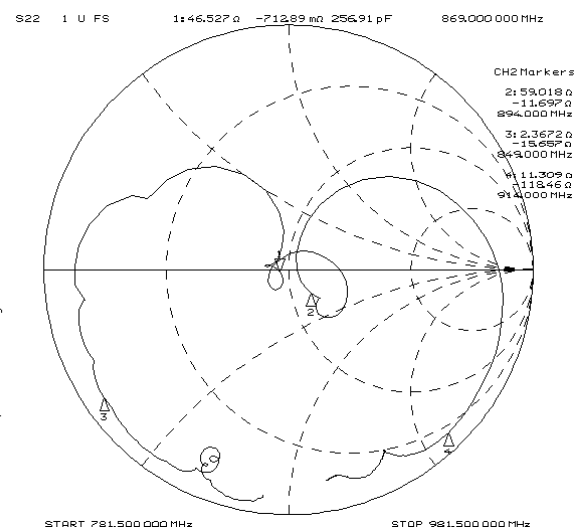
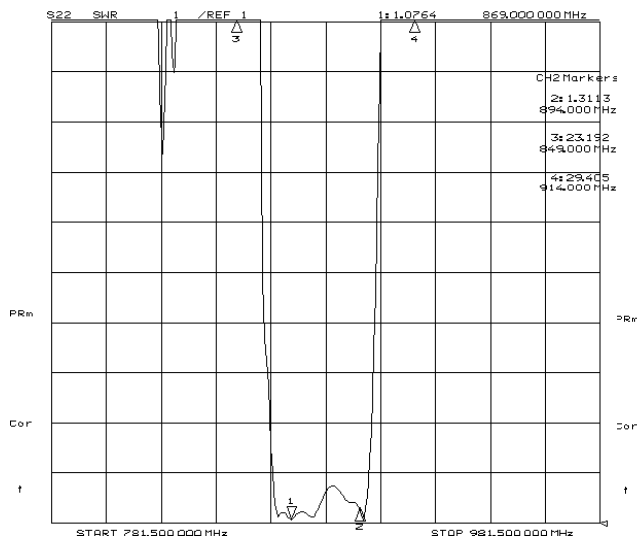


2.VSWR and smith chart:

S11

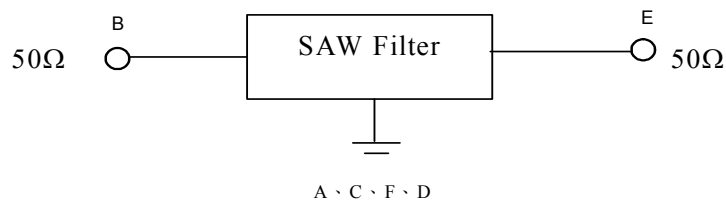


S22

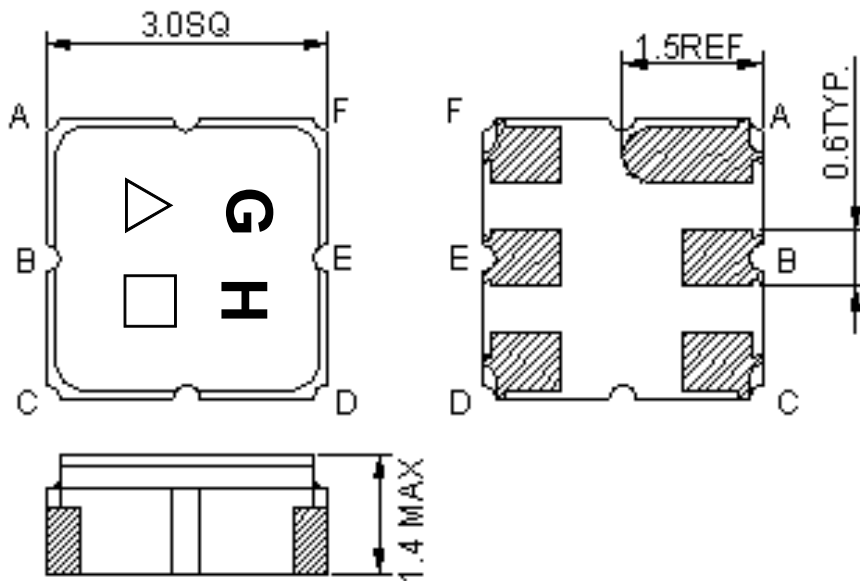


D. MEASUREMENT CIRCUIT:

Network analyzer



E. OUTLINE DRAWING:

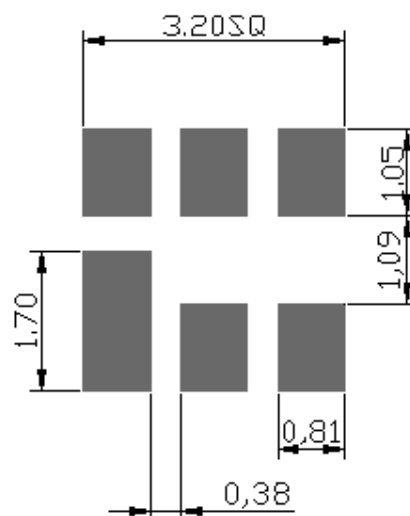


E : Output
A,C,D,F : Ground
Unit : mm

△ : Year Code (2006->6, ..., 2009->9)

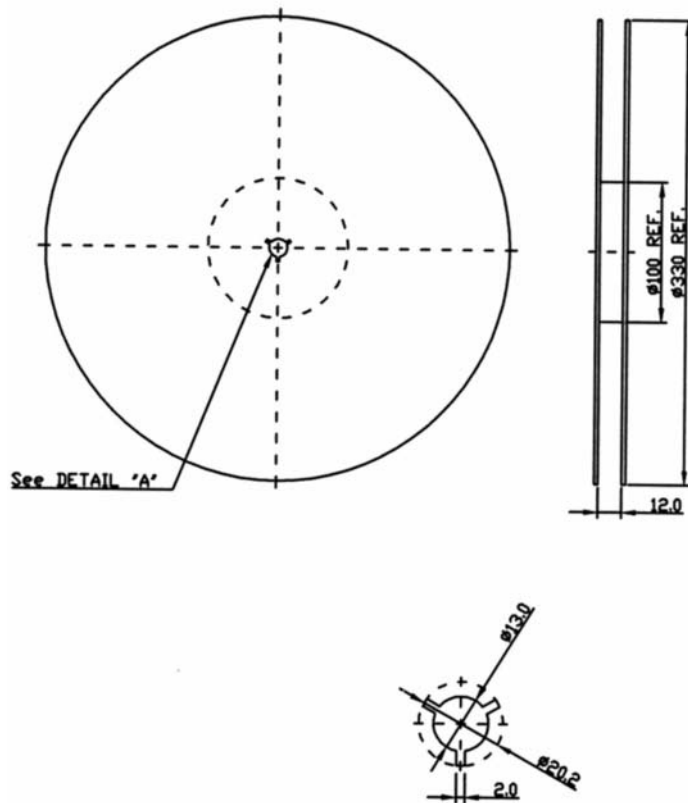
□ : Date Code (Follow the table from planner each year)

G. PCB Footprint:

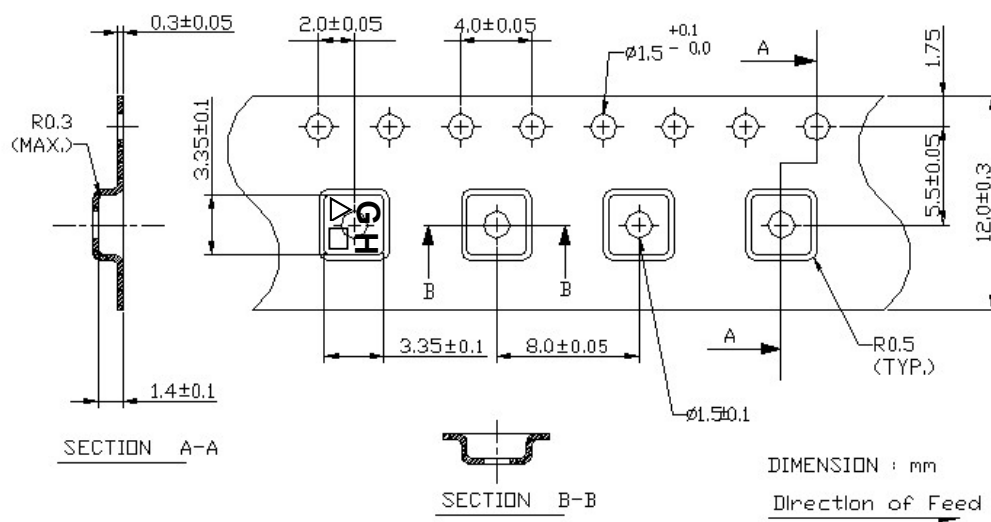


F. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



I. RECOMMENDED REFLOW PROFILE :

