



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: Feb, 2, 2007

Product Name: SAW Filter 675 MHz SMD 3.0X3.0 mm

TST Parts No.: TA0616A

Customer Parts No.: _____

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Bob Chau

Approval by: _____ Francis Chen

Date: _____ 2, 2, 2007



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SAW Filter 675MHz

MODEL NO.:TA0616A

REV. NO.:3

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: 0°C to +50°C
4. Storage Temperature: -30°C to +85°C

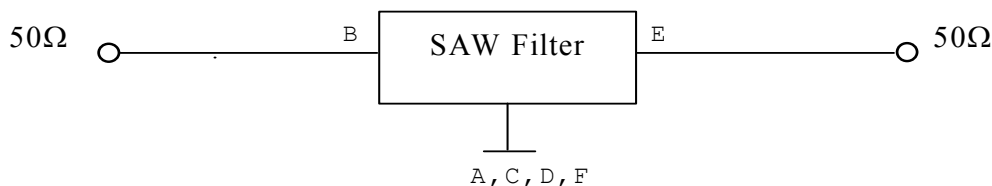
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

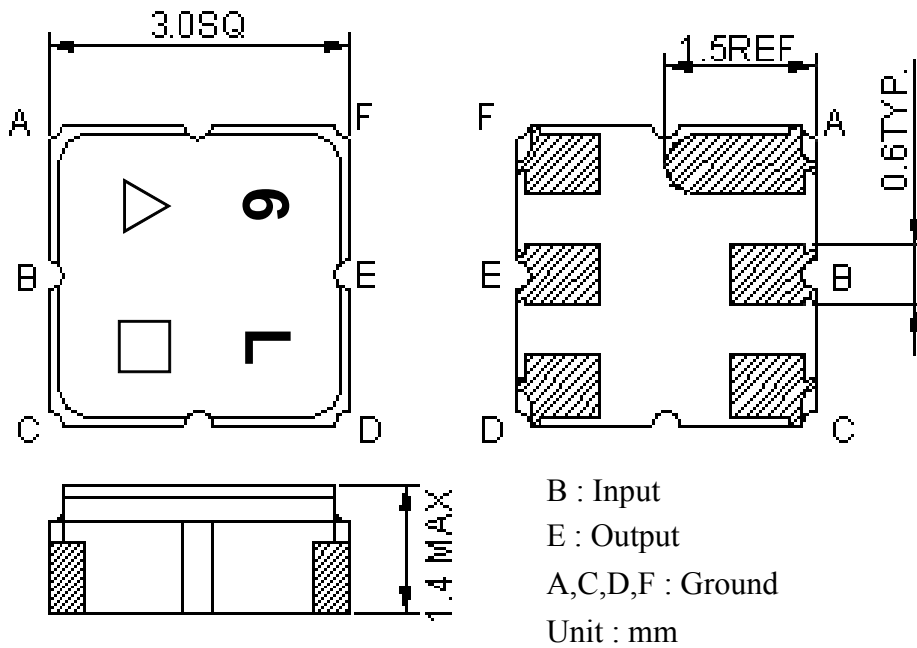
Item	Unit	Min.	Type.	Max.	Note
Center Frequency Fc	MHz	-	675	-	-
Insertion Loss at Center Frequency ILc	dB	-	1.6	2.2	-
VSWR at Center Frequency		-	1.3	2	-
Attenuation (Reference level from ILc)					
608 ~ 614 MHz	dB	20	60	-	-
736 ~ 742 MHz	dB	20	65	-	-
1283 ~ 1289 MHz	dB	45	58	-	-
1411 ~ 1417 MHz	dB	45	55	-	-
1958 ~ 1964 MHz	dB	35	44	-	-
2086 ~ 2092 MHz	dB	33	40	-	-

C. MEASUREMENT CIRCUIT:

HP Network analyzer



D.OUTLINE DRAWING:



△ : Year Code (2006->6, ..., 2009->9)

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

Note :

The base material is ceramic with Au over Ni plating.

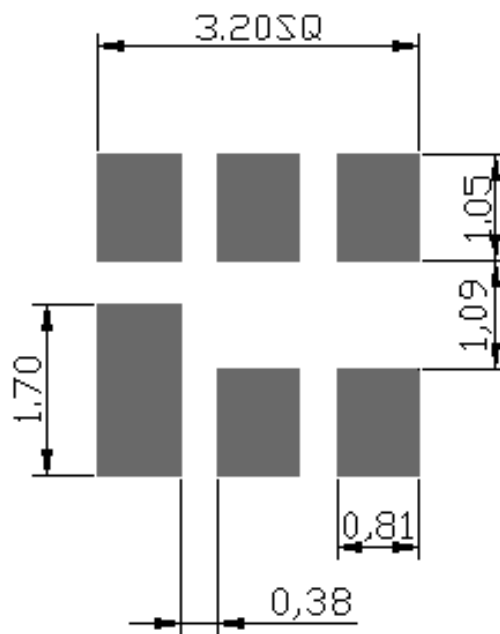
The plating thicknesses are:

Electro Ni : 1.27~8.89 μ m.

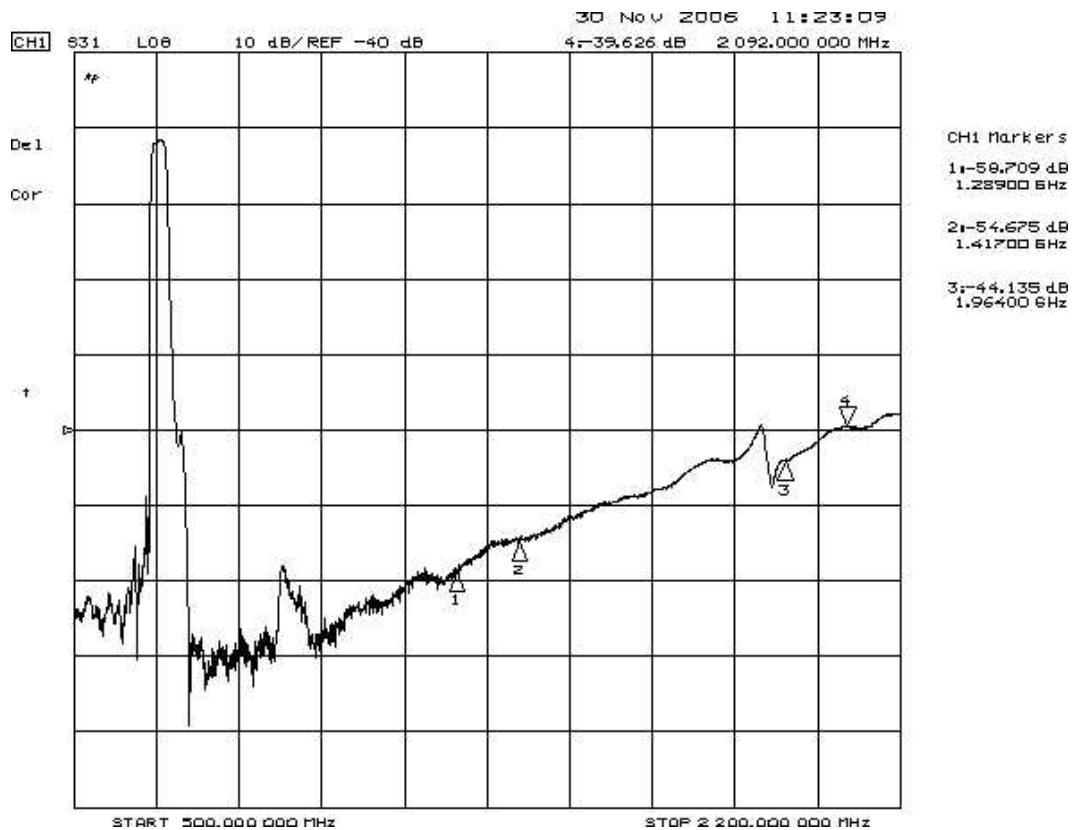
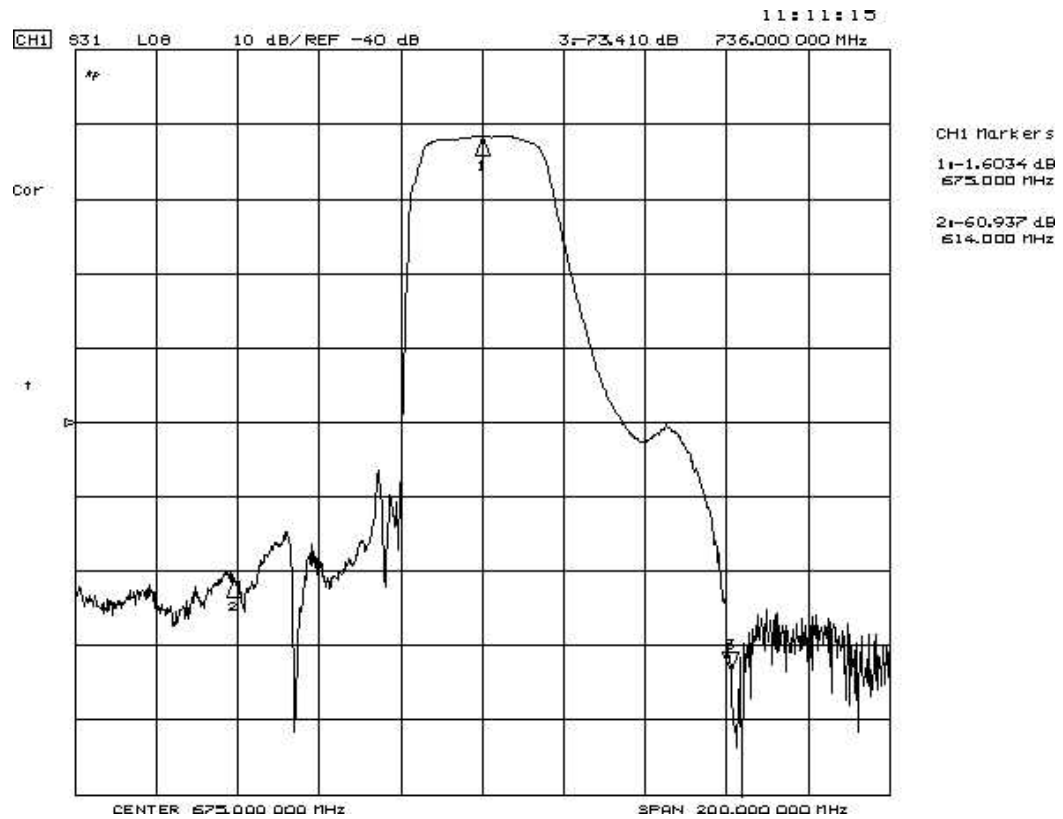
Electro Au : 0.3~1.0 μ m (solder pads only).

0.3 μ m Min. (Others)

E. PCB Footprint:

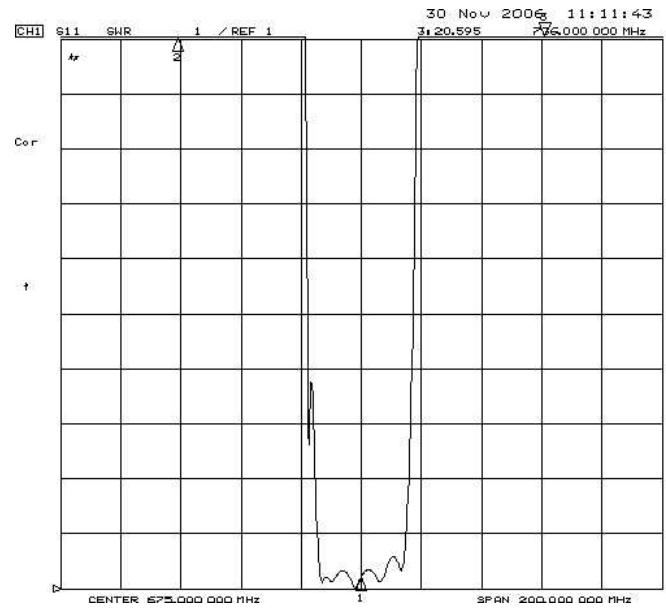


F. Frequency Characteristics :

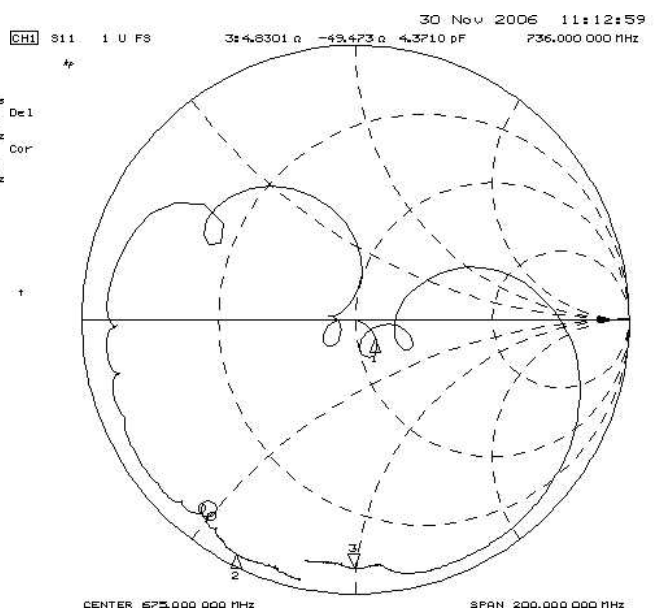


Reflection Functions :

S11

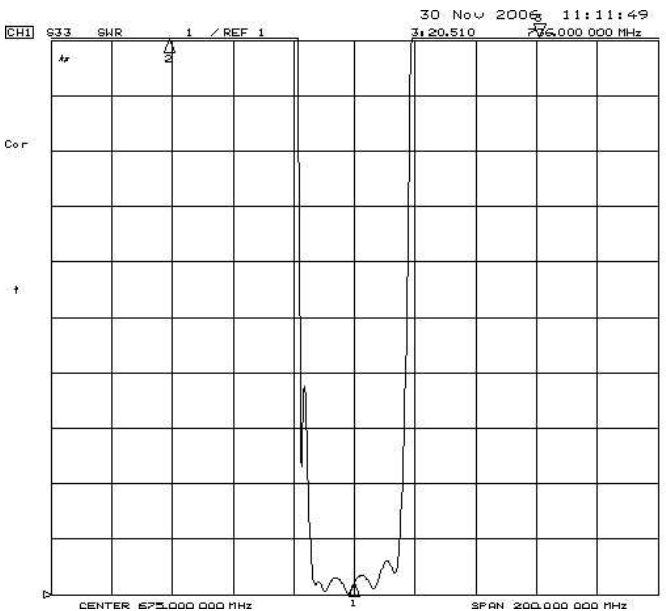


CHI Markers
1: 1.2236
675.000 MHz
2: 49.850
614.000 MHz

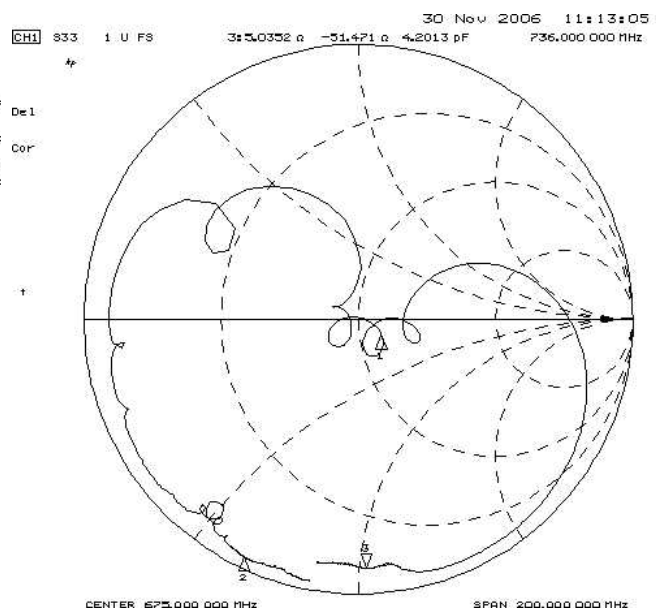


CHI Markers
1: 57.334 n
-7.7480 n
675.000 MHz
2: 1.4111 n
-30.713 n
614.000 MHz

S22



CHI Markers
1: 1.2304
675.000 MHz
2: 50.613
614.000 MHz

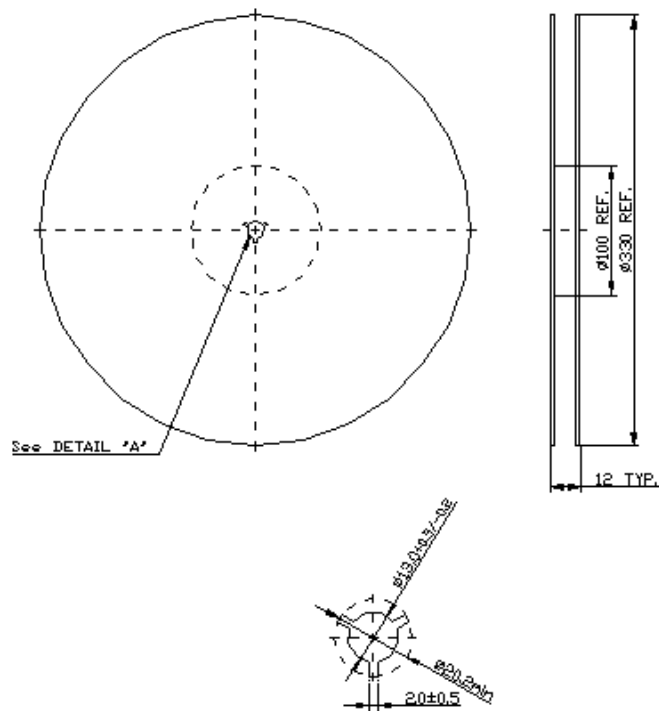


CHI Markers
1: 58.762 n
-6.8516 n
675.000 MHz
2: 1.4072 n
-31.339 n
614.000 MHz

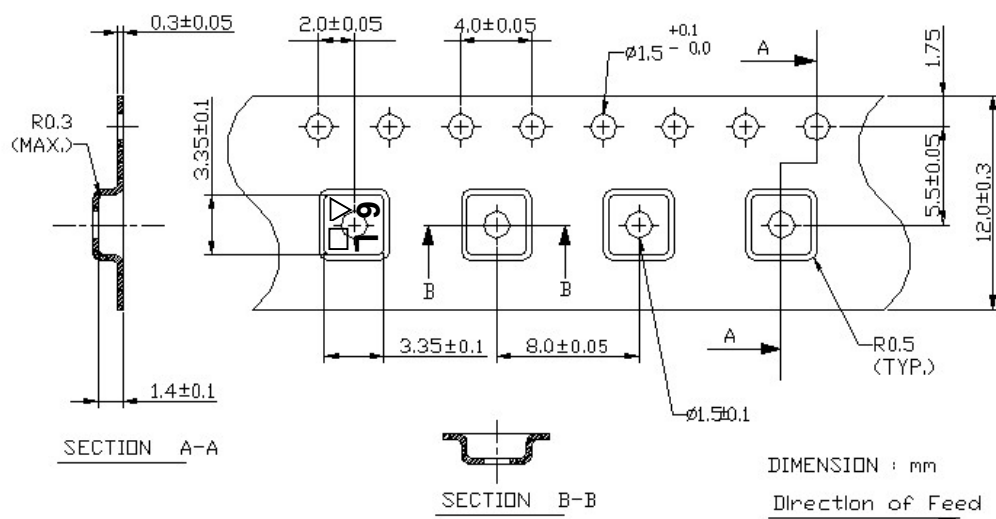
G. PACKING:

1. REEL DIMENSION

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



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

