



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: June, 13, 2006

Product Name: SAW Filter 930 MHz SMD 3X3 mm

TST Parts No.:TA0254A

Customer Parts No.: _____

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

Checked by: _____ Bob Chau

Approval by: _____ Francis Chen

Date: _____ 1, 13, 2006



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SAW Filter 930 MHz

MODEL NO.: TA0254A

REV. NO.:2

A. MAXIMUM RATING:

1. Input Power Level: 10 dB_m
2. DC voltage: 3 V
3. Operating Temperature: 0°C to +70°C
4. Storage Temperature: -30°C to +85°C

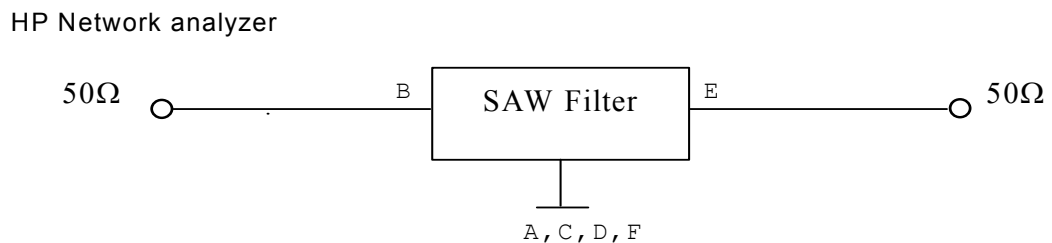
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

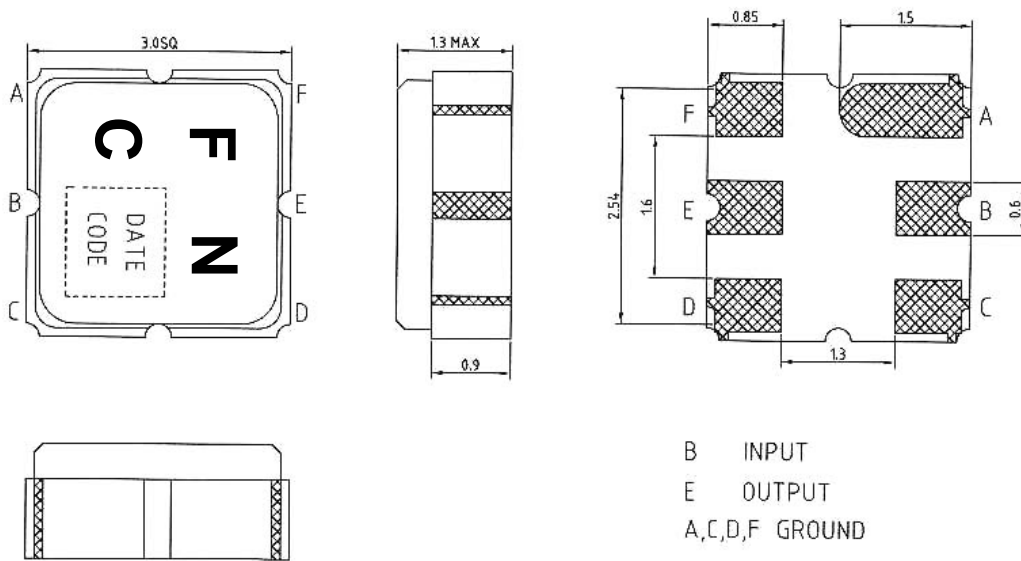
Item		Min.	Typ.	Max.
Center frequency	F_c (MHz)	-	930	-
Insertion loss (920~940 MHz)	IL (dB)	-	2.7	3.0
Amplitude ripple (920~940 MHz)	(dB)	-	1.5	2.0
Group Delay Variation in any 2 MHz bandwidth (ns)		-	4	7
Attenuation (Reference level from 0 dB)				
DC ~ 890 MHz	(dB)	25	29	-
970 ~ 2000 MHz	(dB)	25	32	-
Return Loss (920~940 MHz)	(dB)	9	12	-
Source impedance	Z _s (Ω)	-	50	-
Load impedance	Z _L (Ω)	-	50	-

Note1. The standard definitions is in JIS C 6703

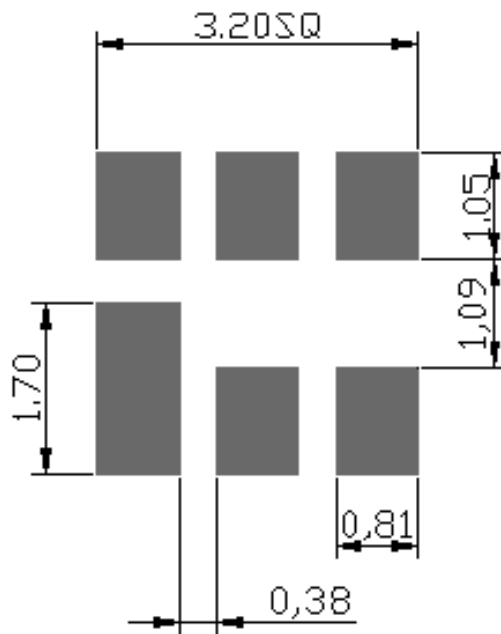
C. MEASUREMENT CIRCUIT:



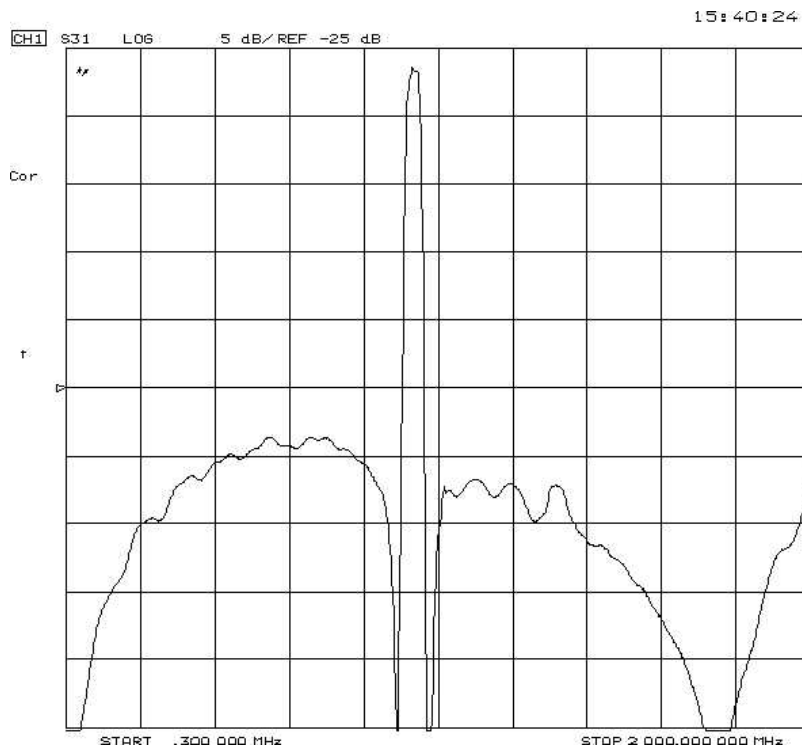
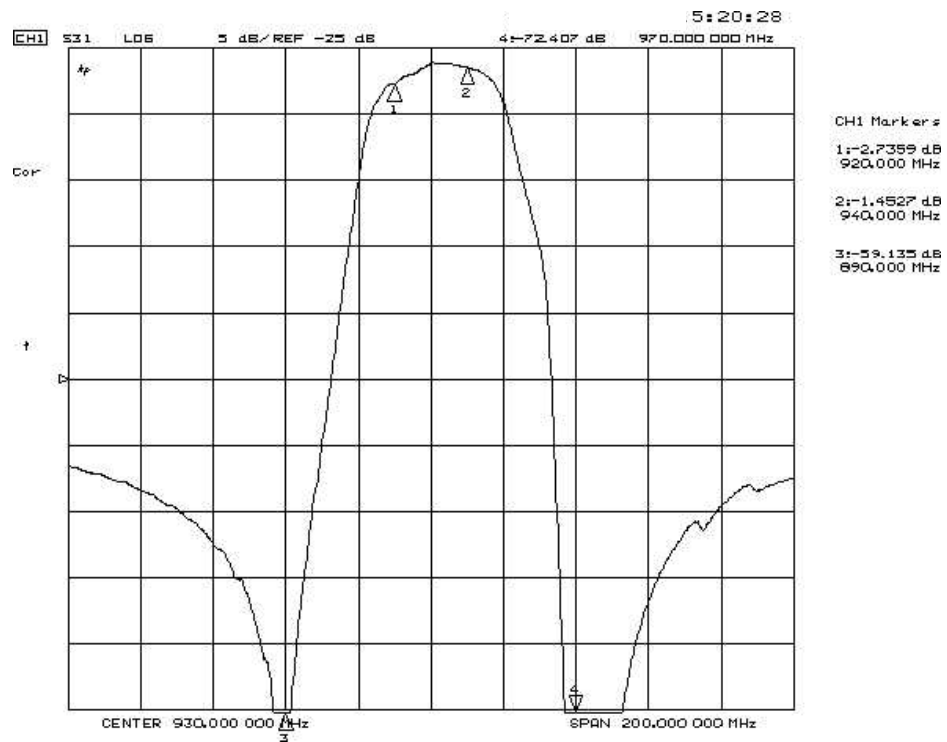
D. OUTLINE DRAWING:



E. PCB Footprint:

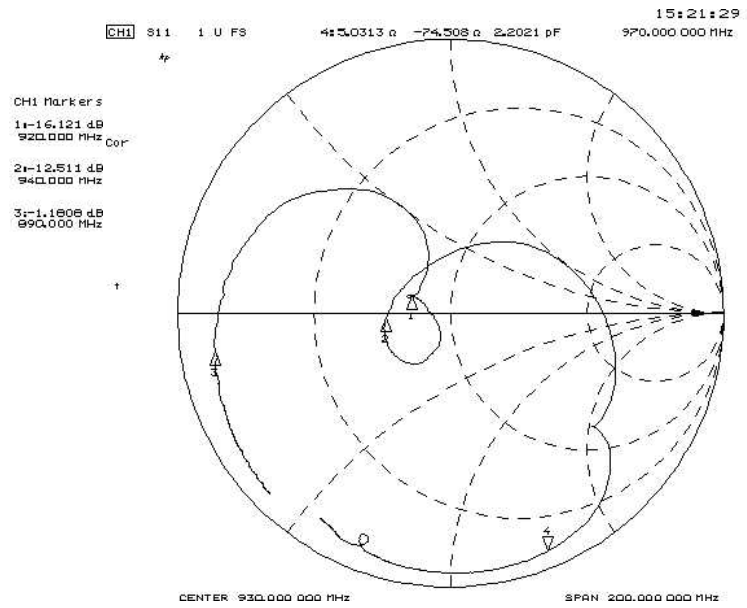


F. Frequency Characteristics : Transfer function



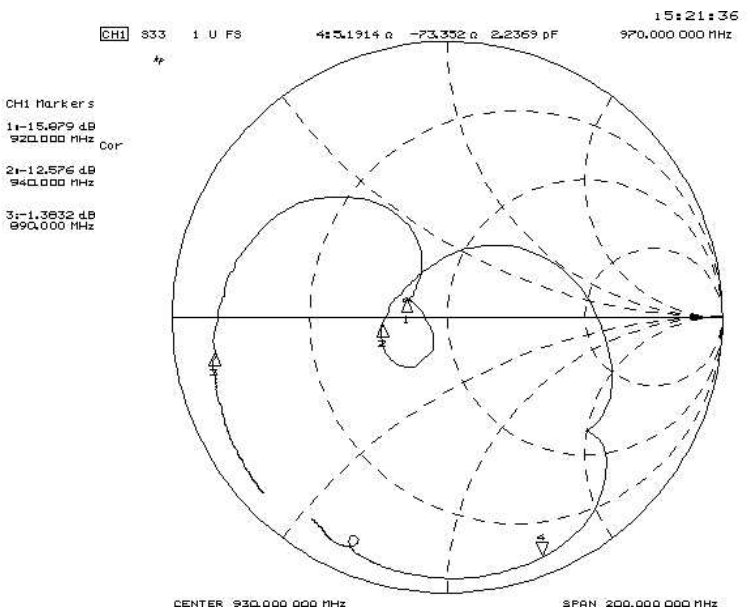
Reflections Functions :

S11



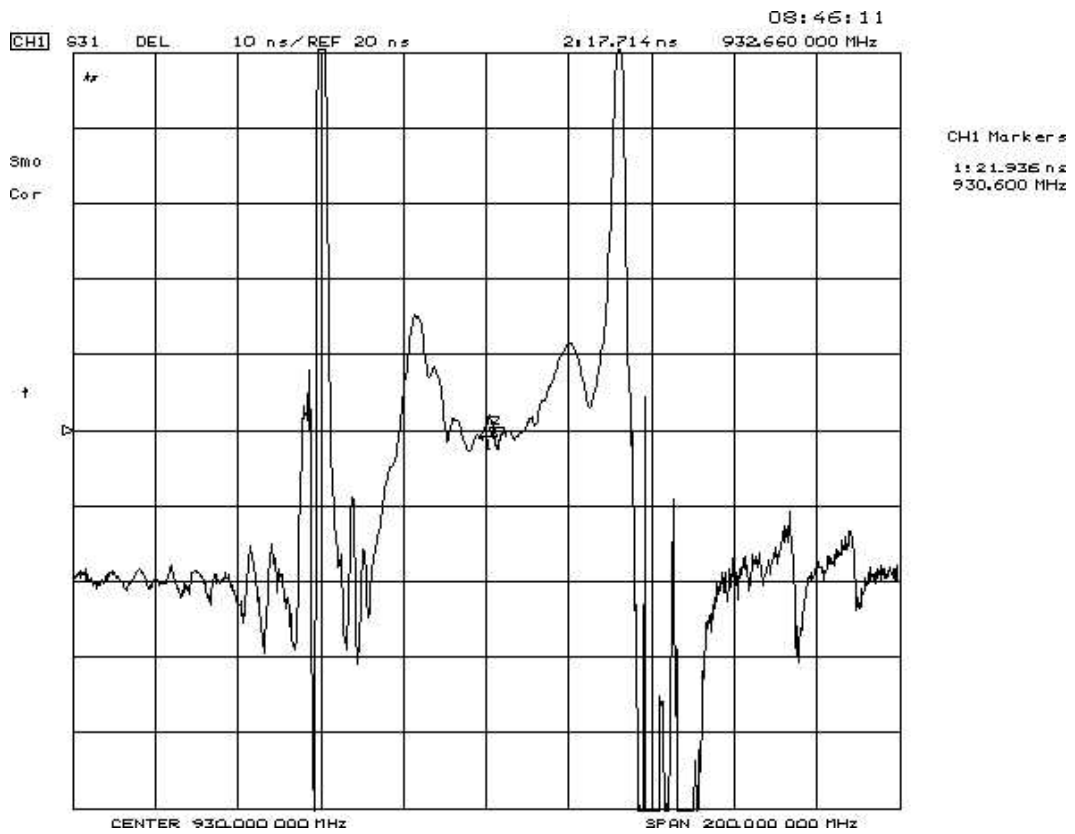
CHI Markers
 1: 37.269 a
 5.0000 a
 920.000 MHz
 2: 30.973 a
 -1.0635 a
 940.000 MHz
 3: 3.4214 a
 -4.0149 a
 890.000 MHz

S22

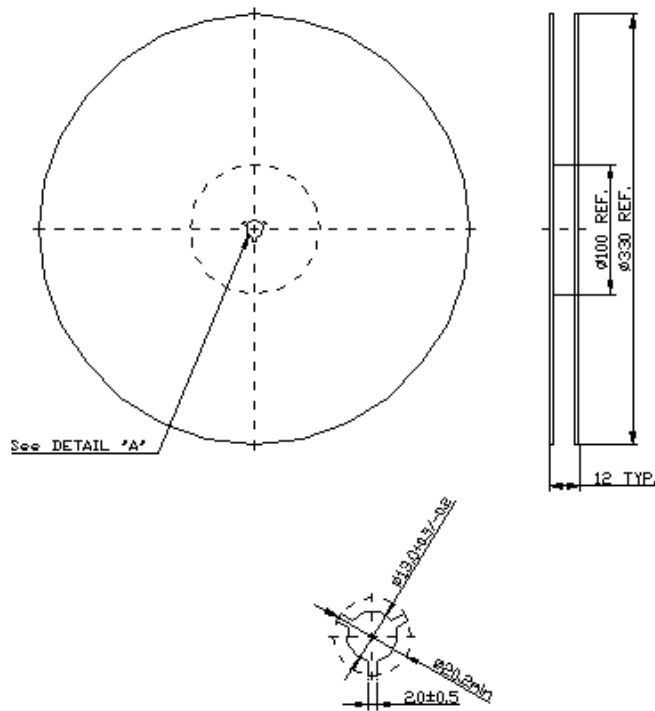


CHI Markers
 1: 37.014 a
 5.2012 a
 920.000 MHz
 2: 31.041 a
 -1.2988 a
 940.000 MHz
 3: 3.9700 a
 -3.6414 a
 890.000 MHz

Group Delay :



G. PACKING:



3. TAPE DIMENSION

