



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: Nov, 1, 2005

Product Name: SAW Filter 1575.42 MHz SMD 2.5X2.0 mm

TST Parts No.:TA0531A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Bob Chau

Approval by:_____ Francis Chen

Date:_____ 11, 1, 2005



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SAW Filter 1575.42 MHz

MODEL NO.: TA0531A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 10 dB_m
2. DC voltage: 5 V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +85°C

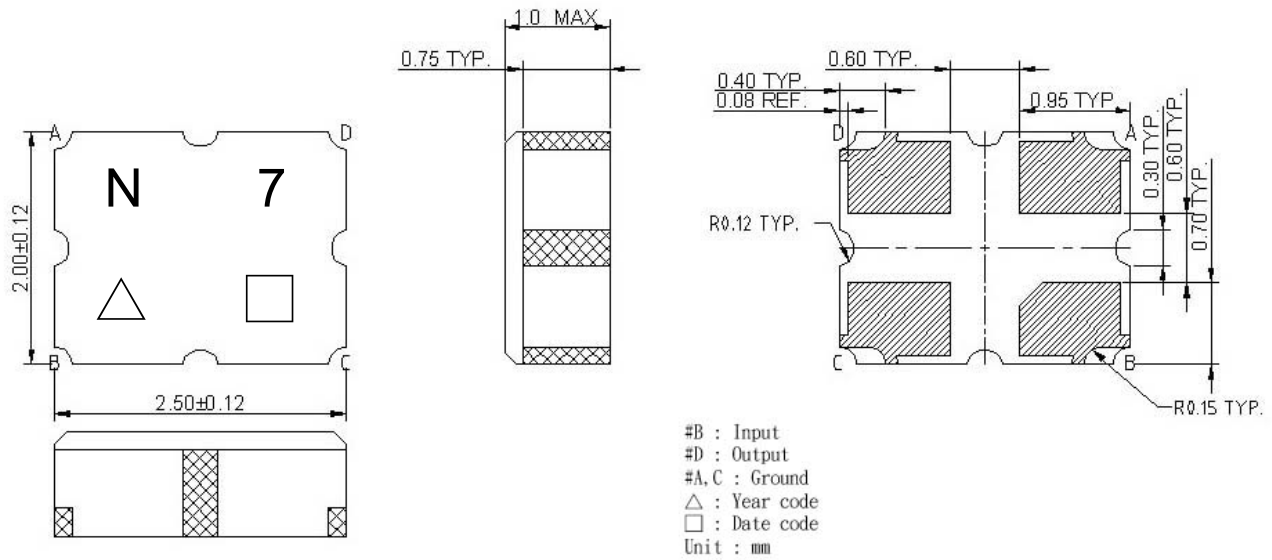
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

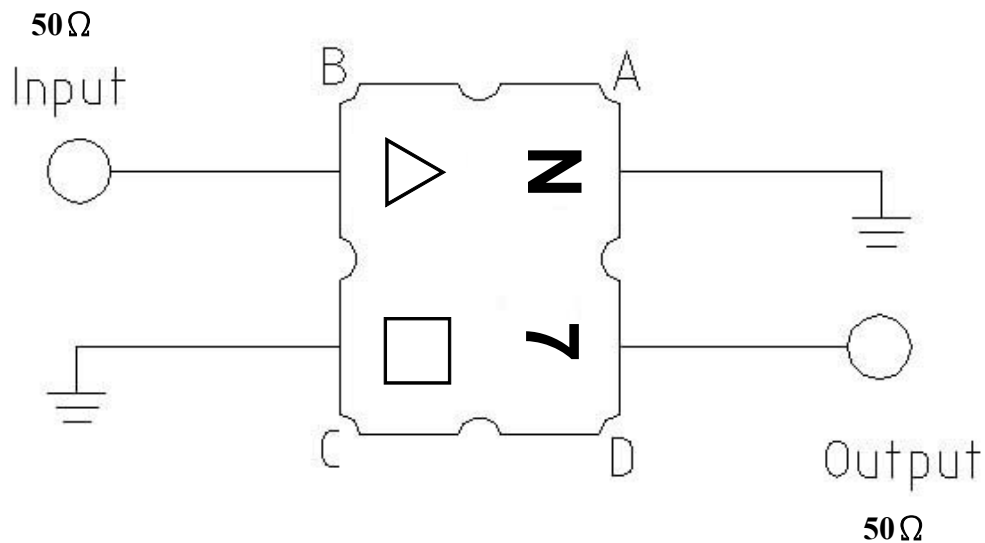
Item		Min.	Typ.	Max.
Center frequency	F _c (MHz)	-	1575.42	-
Insertion loss (1570.42~1580.42 MHz)	IL (dB)	-	1.8	3
Amplitude ripple (1570.42~1580.42 MHz)	(dB)	-	0.1	1.7
Attenuation (Reference level from 0 dB)				
D.C. ~ 1400	MHz (dB)	35.0	37.0	-
1400 ~ 1475	MHz (dB)	30.0	34.0	-
1475 ~ 1525	MHz (dB)	25.0	37.0	-
1625 ~ 1640	MHz (dB)	30.0	45.0	-
1640 ~ 2000	MHz (dB)	32.0	34.0	-
2000 ~ 3000	MHz (dB)	20.0	28.0	-
VSWR (1570.42~1580.42 MHz)		-	1.3	2.0
Source impedance	Z _s (Ω)	-	50	-
Load impedance	Z _L (Ω)	-	50	-

Note1. The standard definitions is in JIS C 6703

C. OUTLINE DRAWING:

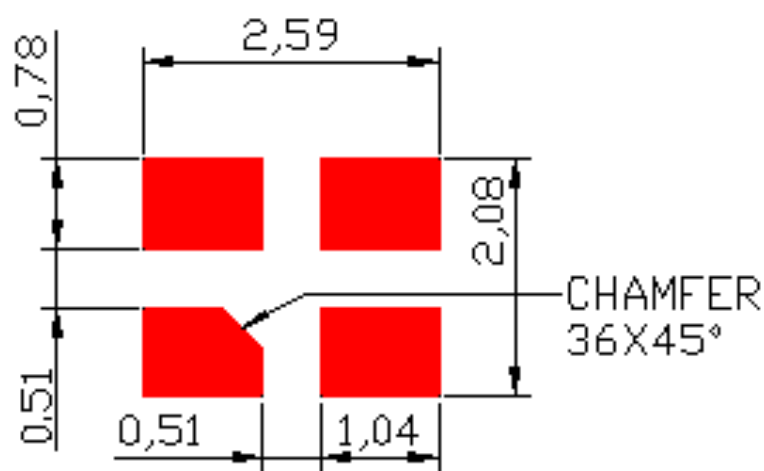


D. MEASUREMENT CIRCUIT:



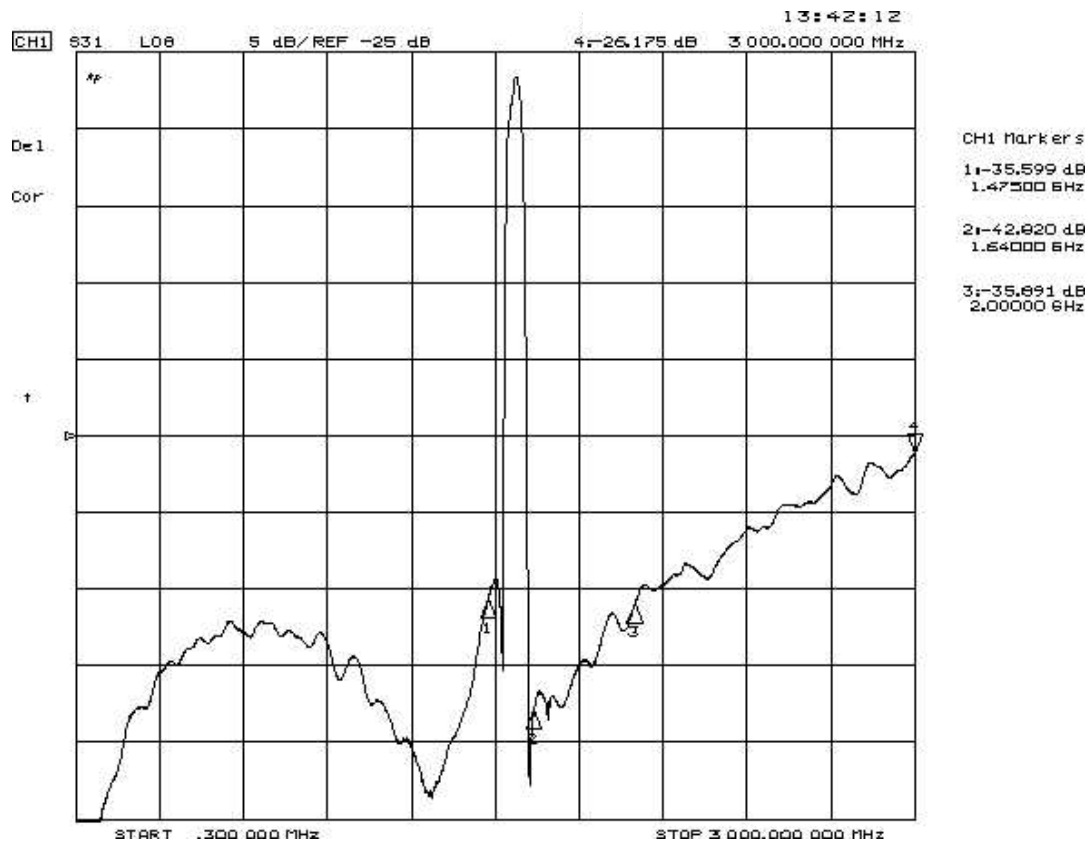
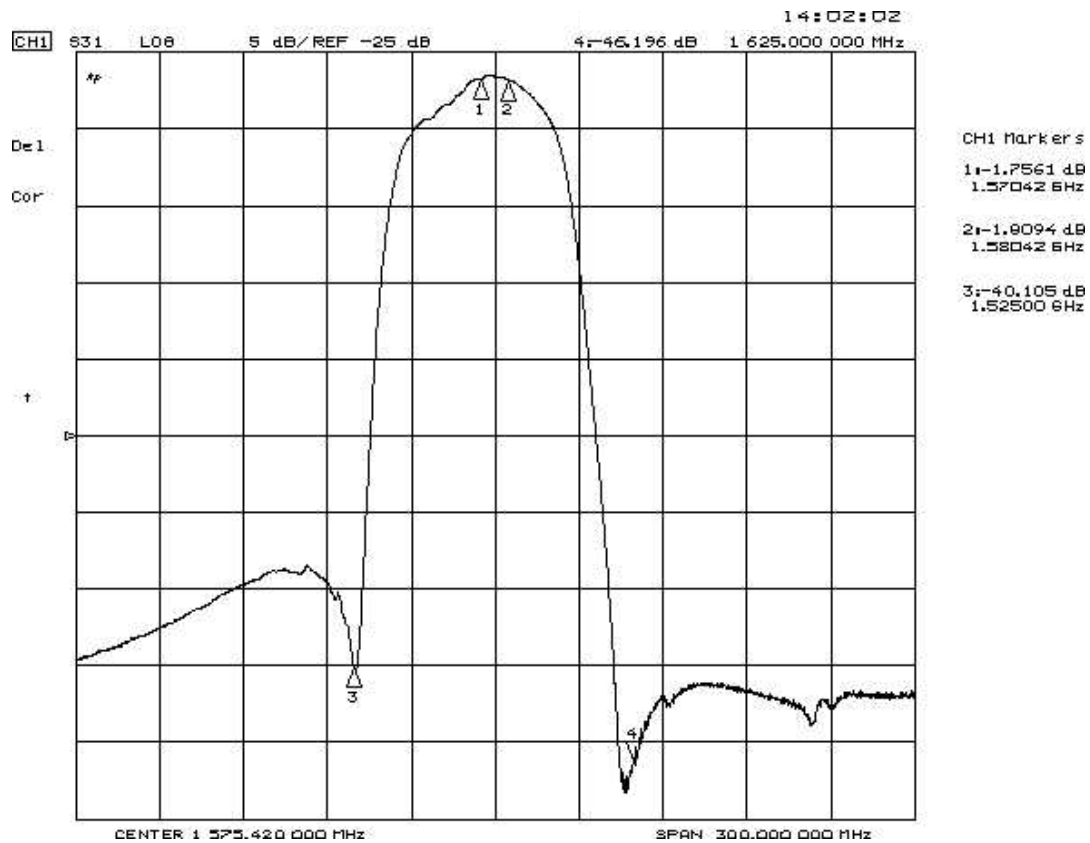
$\triangle$: Year Code
 $\square$: Date Code

E. PCB Footprint:



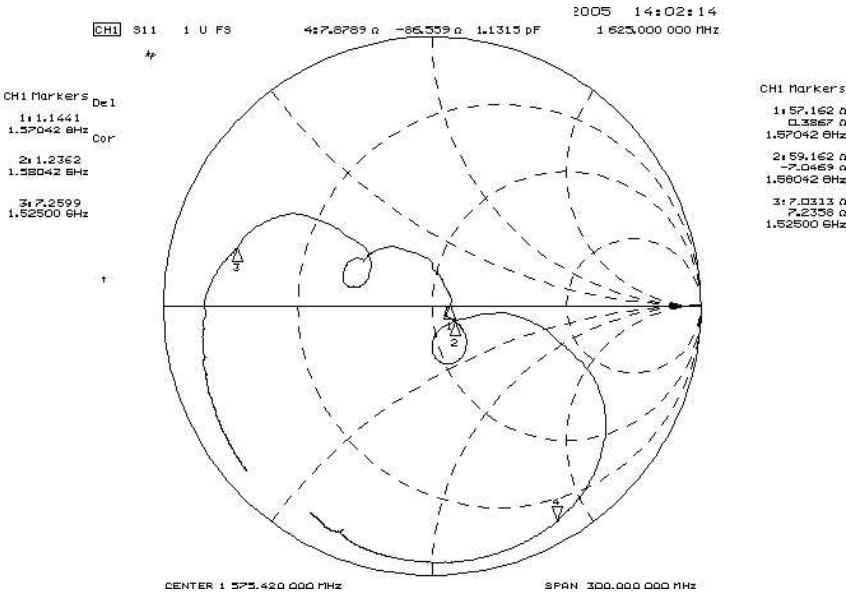
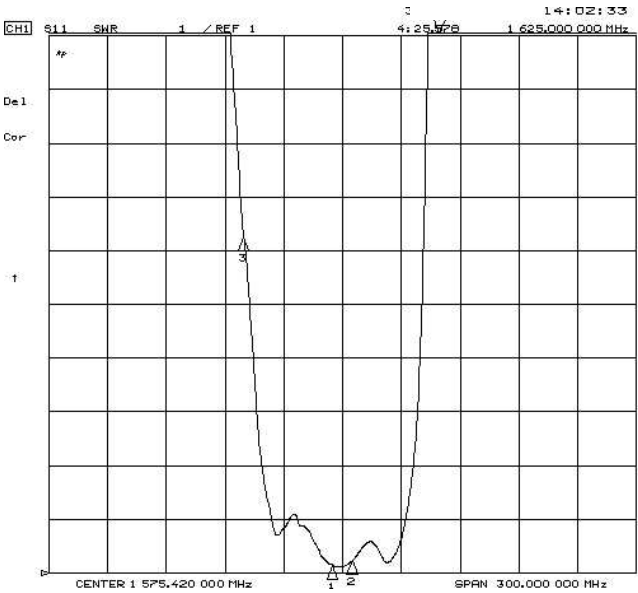
F. Frequency Characteristics :

Transfer function

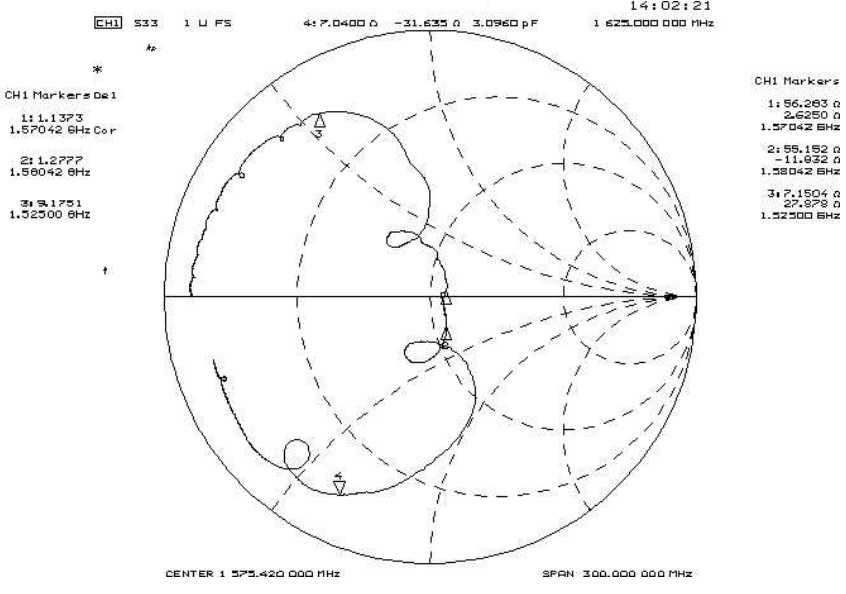
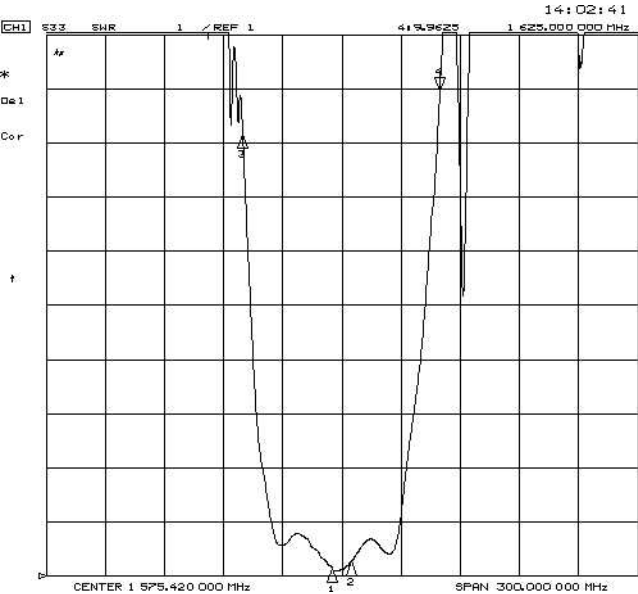


Reflections Functions :

S11 VSWR

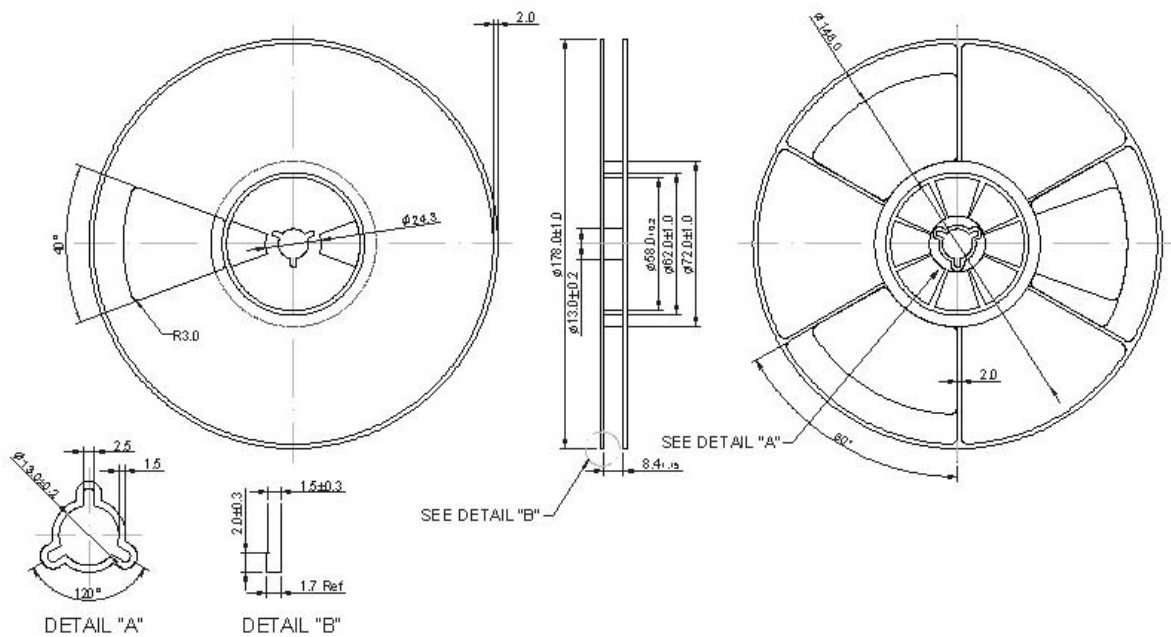


S22 VSWR



G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

