



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: Jun, 19, 2006

Product Name: SAW Filter 1575.42 MHz SMD 2.0x1.6 mm

TST Parts No.:TA0502A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Bob Chau

Approval by:_____ Francis Chen

Date:_____ 6, 19, 2006



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SAW Filter 1575.42 MHz for GPS

MODEL NO.: TA0502A

REV. NO.:2

A. MAXIMUM RATING:

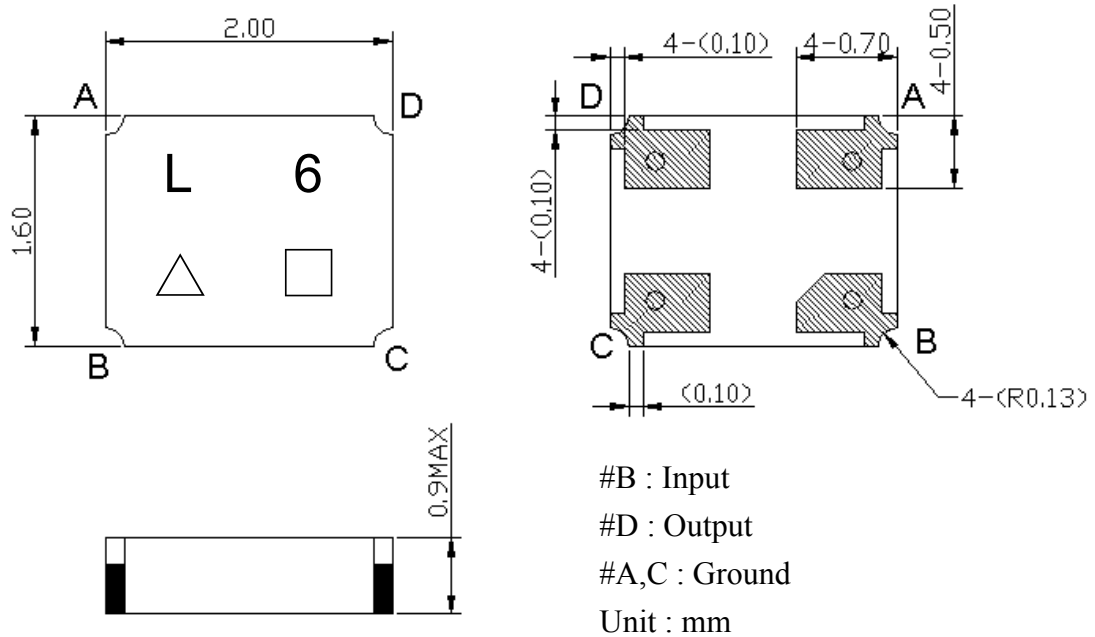
1. Input Power Level: 10 dB_m
2. DC voltage: 5 V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +95°C

RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

Item		Min.	Typ.	Max.
Center frequency	Fc (MHz)	-	1575.42	-
Insertion loss (1574.42~1576.42 MHz)	IL (dB)	-	2.5	3.5
Amplitude ripple (1574.42~1576.42 MHz)	(dB)	-	0.1	1.0
Attenuation (Reference level from 0 dB)				
1475.42 MHz	(dB)	28	30	-
1535.42 MHz	(dB)	30	38	-
1615.42 MHz	(dB)	30	50	-
1675.42 MHz	(dB)	32	35	-
VSWR (1574.42~1576.42 MHz)		-	1.2	2.0
Source impedance	Zs (Ω)	-	50	-
Load impedance	ZL (Ω)	-	50	-

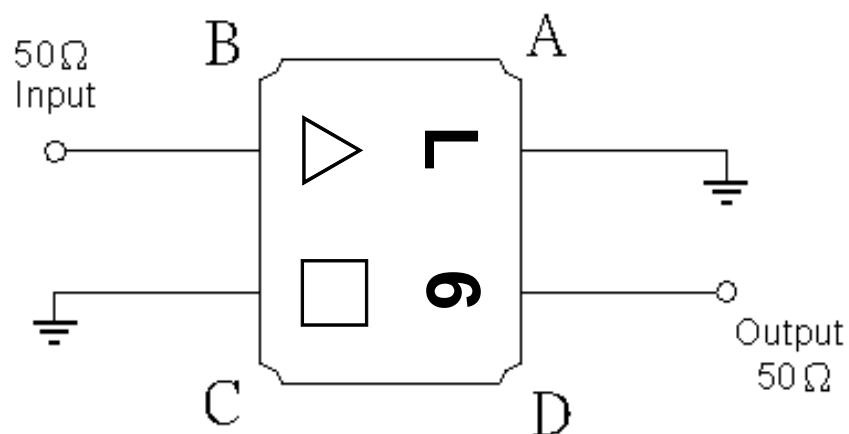
C. OUTLINE DRAWING:



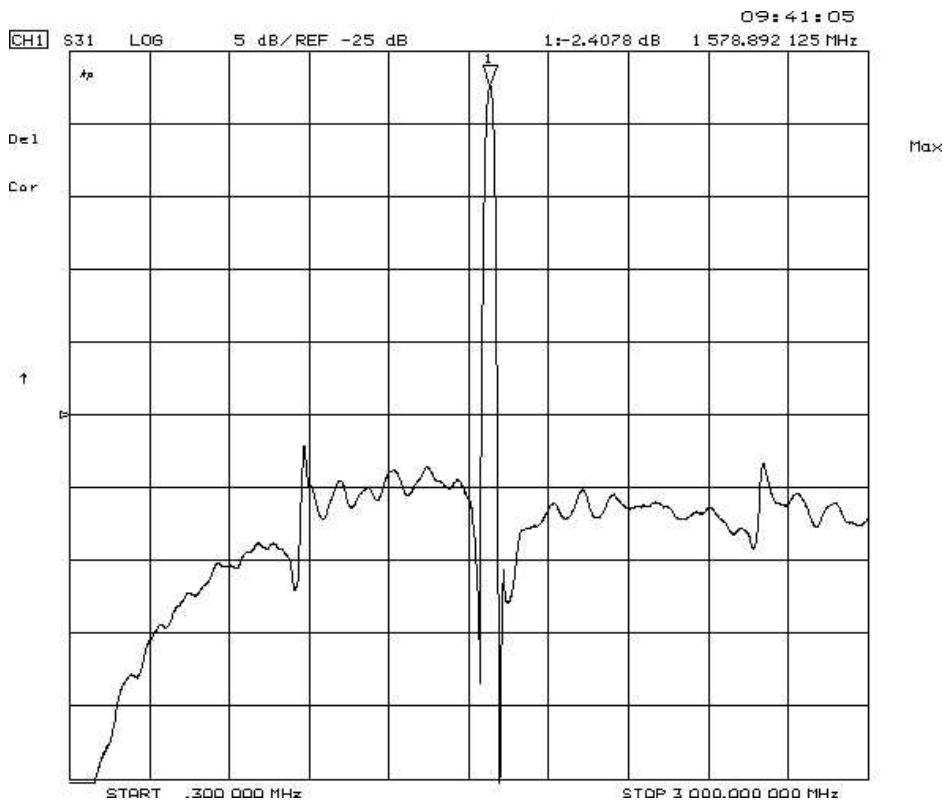
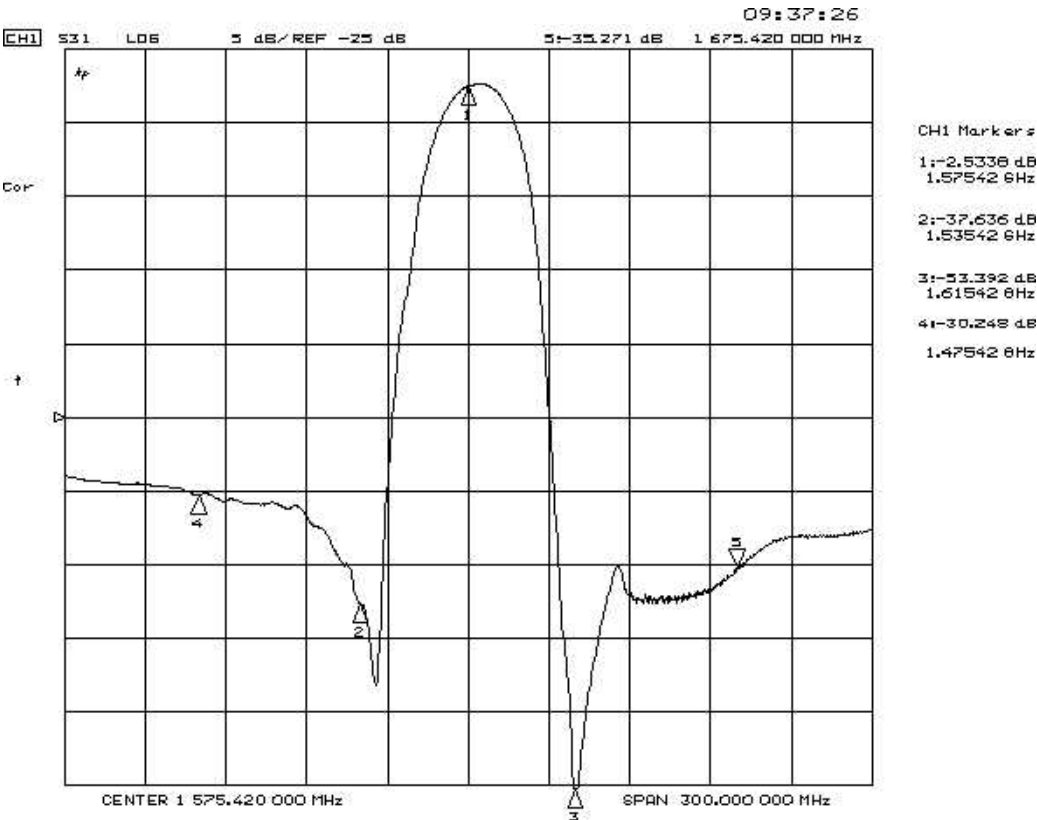
△ : Year Code (2006->6,...,2009->9)

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

D. MEASUREMENT CIRCUIT:

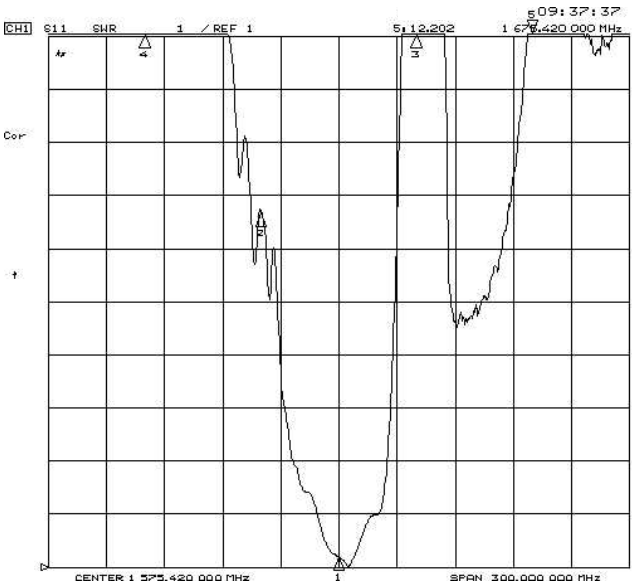


E. Frequency Characteristics : Transfer function



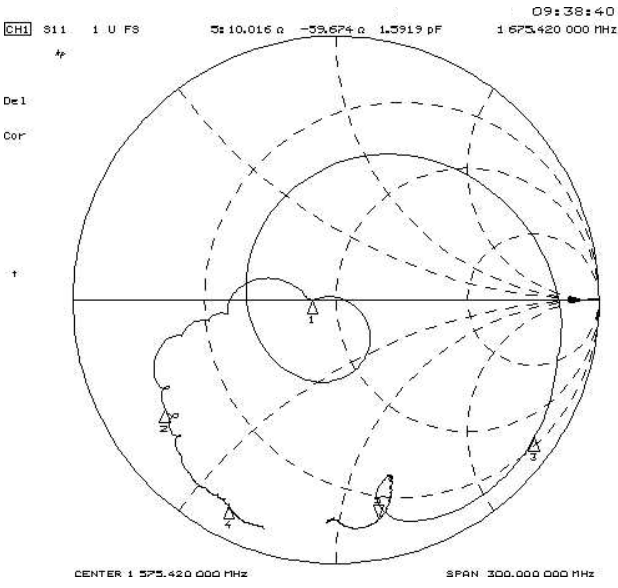
Reflections Functions :

S11 VSWR



CHI Markers

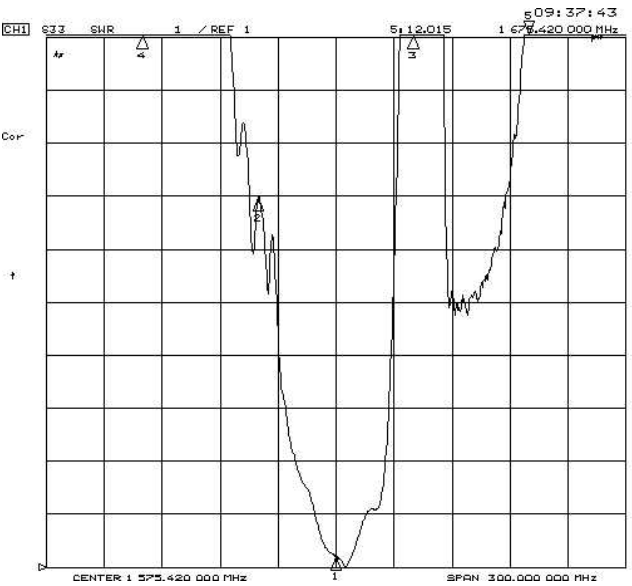
1:	1.1954
2:	7.6772
3:	23.238
4:	15.301



CHI Markers

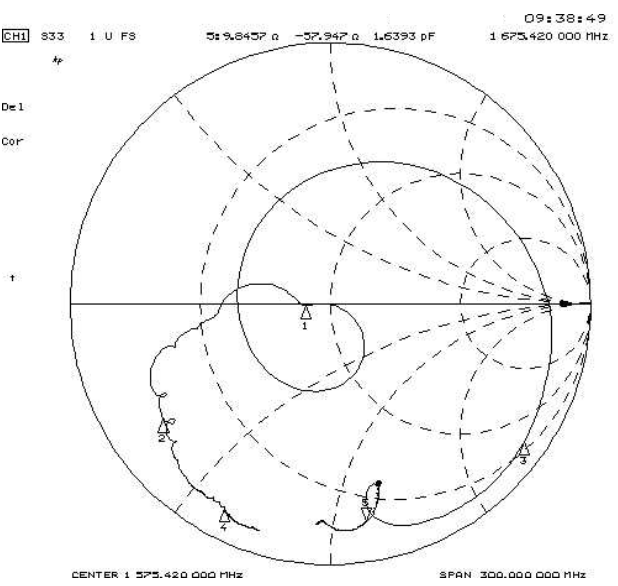
1:	41.014 a
2:	7.0289 a
3:	23.758 a
4:	4.4326 a

S22 VSWR



CHI Markers

1:	1.2098
2:	7.9831
3:	22.370
4:	15.902



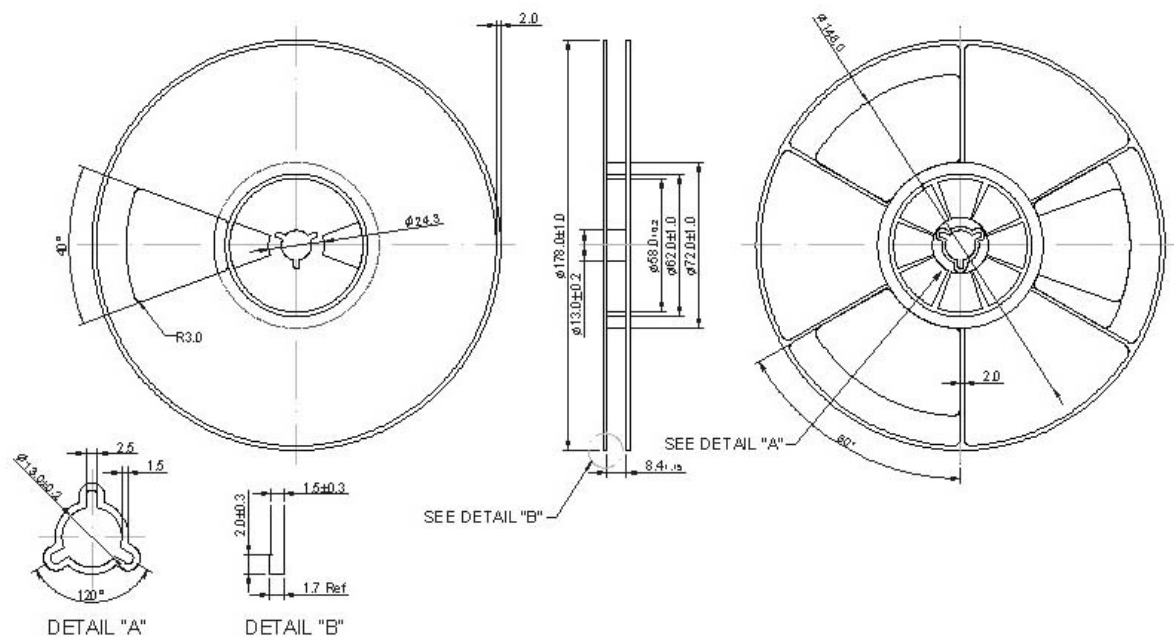
CHI Markers

1:	41.365 a
2:	6.8452 a
3:	24.352 a
4:	4.3213 a

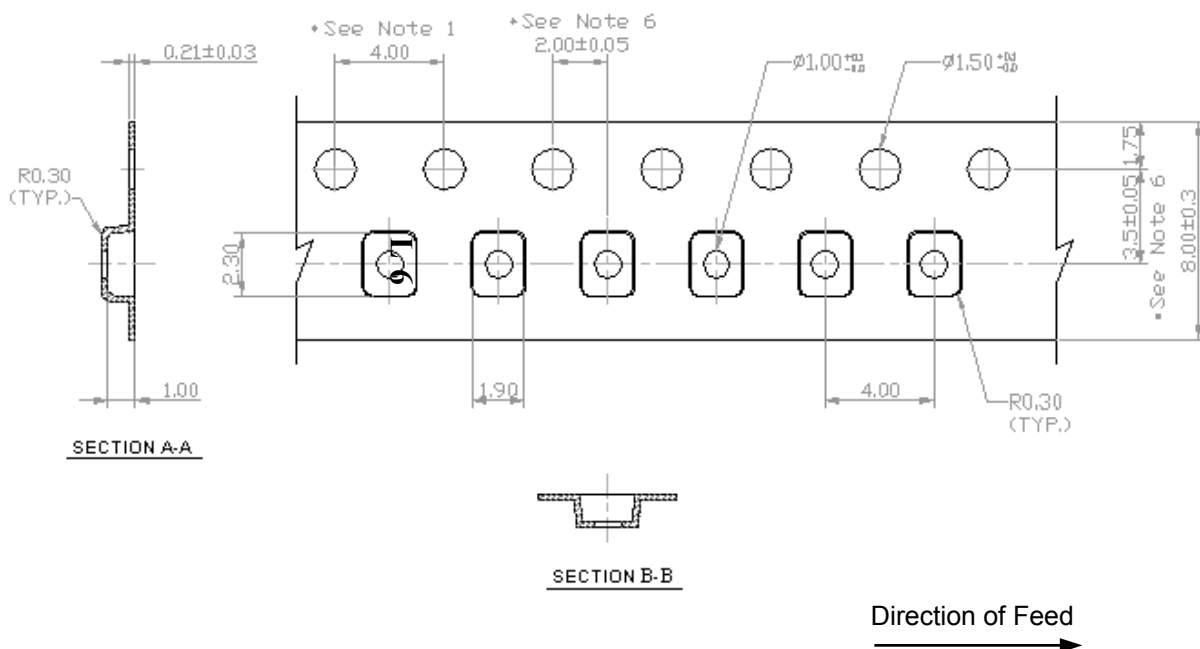
F. PACKING:

1. REEL DIMENSION

(Reel Count : 7"=2000 typ. ; 13"=10000 typ.)



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

