



TAI-SAW TECHNOLOGY CO., LTD.

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Approval Sheet For Product Specification

Issued Date: Jan, 3, 2008

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

TST Parts No.:TA0295A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Bob Chau

Approval by:_____ Francis Chen

Date:_____ 1, 3, 2008



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SAW Filter 1575.42 MHz for GPS

MODEL NO.: TA0295A

REV. NO.:4

A. MAXIMUM RATING:

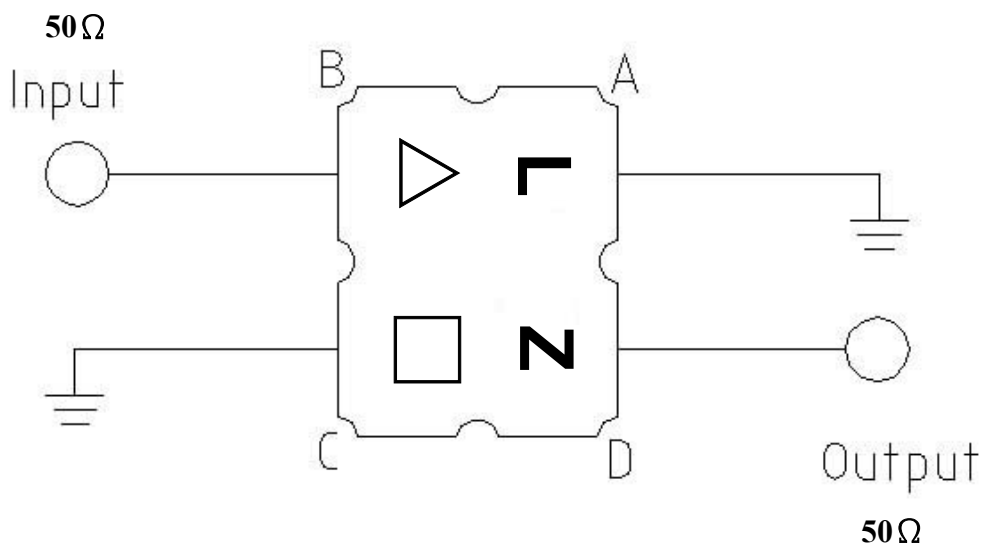
1. Input Power Level: 10 dB_m
2. DC voltage: 5 V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -50°C to +100°C

RoHS Compliant
Lead free
Lead-free soldering

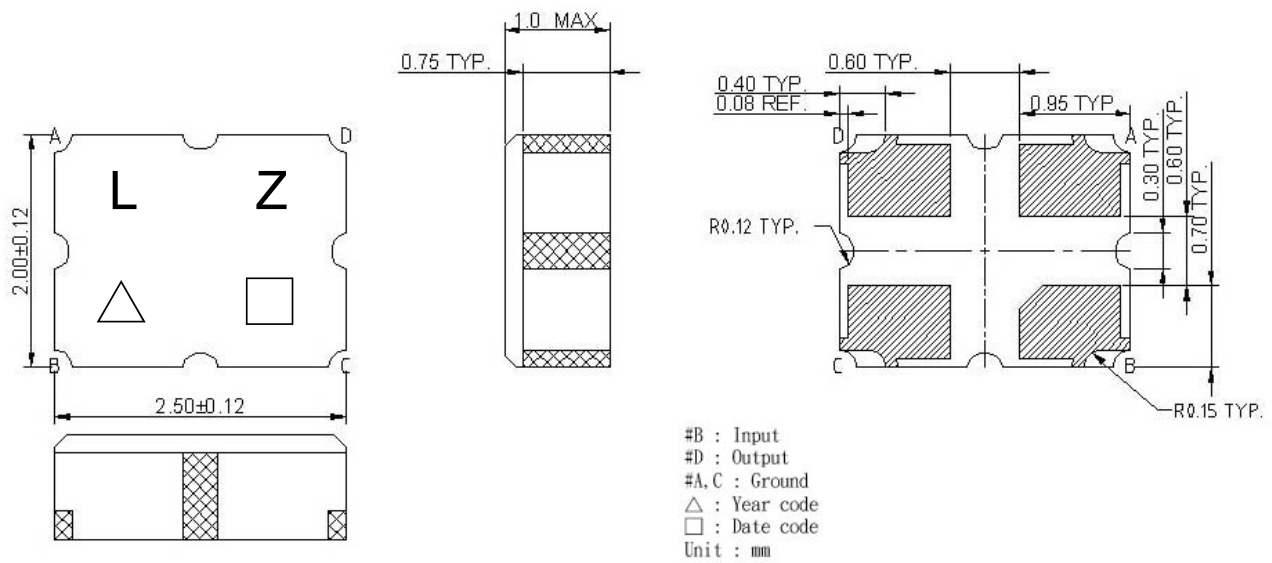
B. ELECTRICAL CHARACTERISTICS:

Item		Min.	Typ.	Max.
Center frequency	F _c (MHz)	-	1575.42	-
Insertion loss within F _c +/- 1 MHz	IL (dB)	-	2.7	3.5
Amplitude ripple (p-p) within F _c +/- 1 MHz	(dB)	-	0.07	1.0
Attenuation (Reference level from 0 dB)				
1475.42 MHz	(dB)	35	40	-
1535.42 MHz	(dB)	30	37	-
1615.42 MHz	(dB)	30	60	-
1675.42 MHz	(dB)	40	62	-
VSWR within F _c +/- 1 MHz		-	1.3	2.0
Source impedance	Z _s (Ω)	-	50	-
Load impedance	Z _L (Ω)	-	50	-

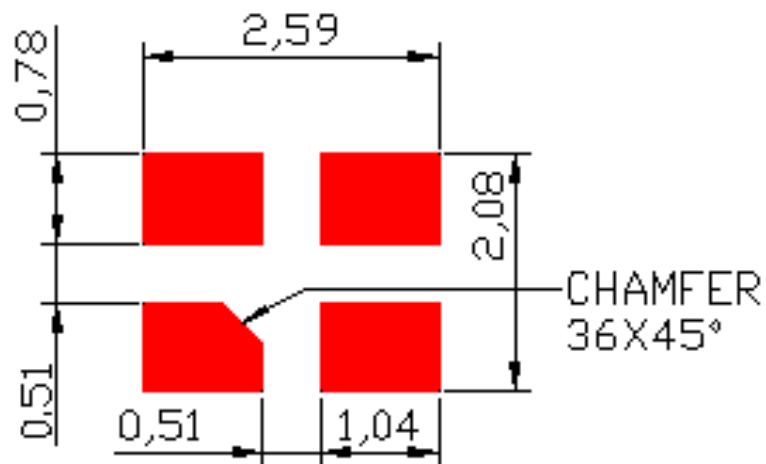
C. MEASUREMENT CIRCUIT:



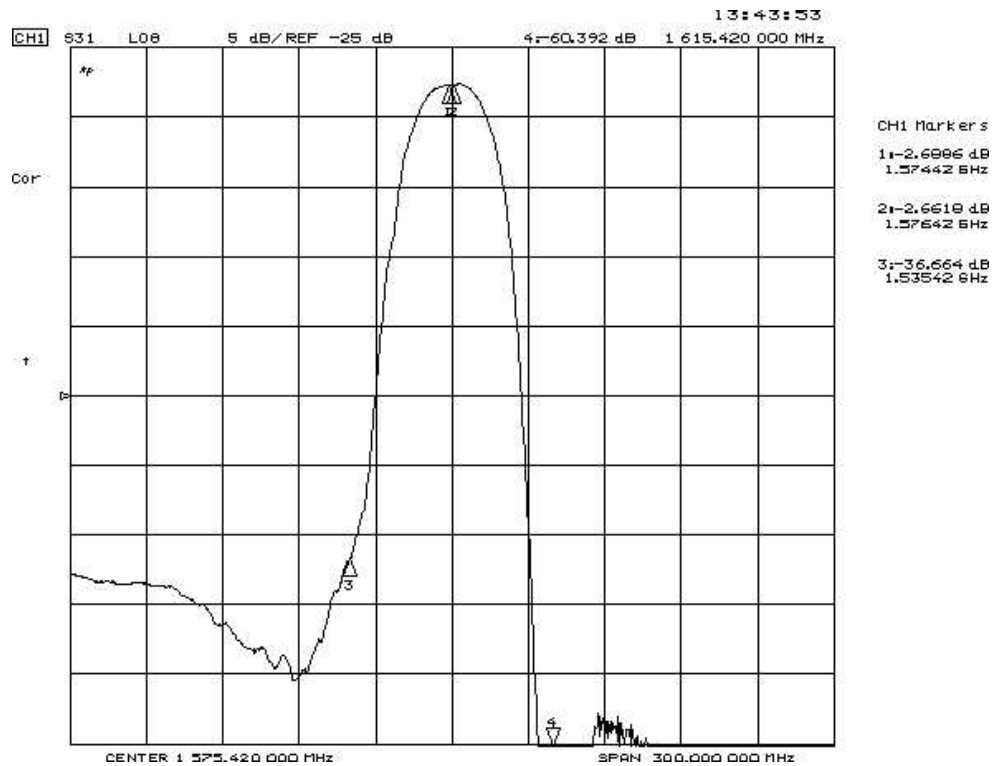
D. OUTLINE DRAWING:



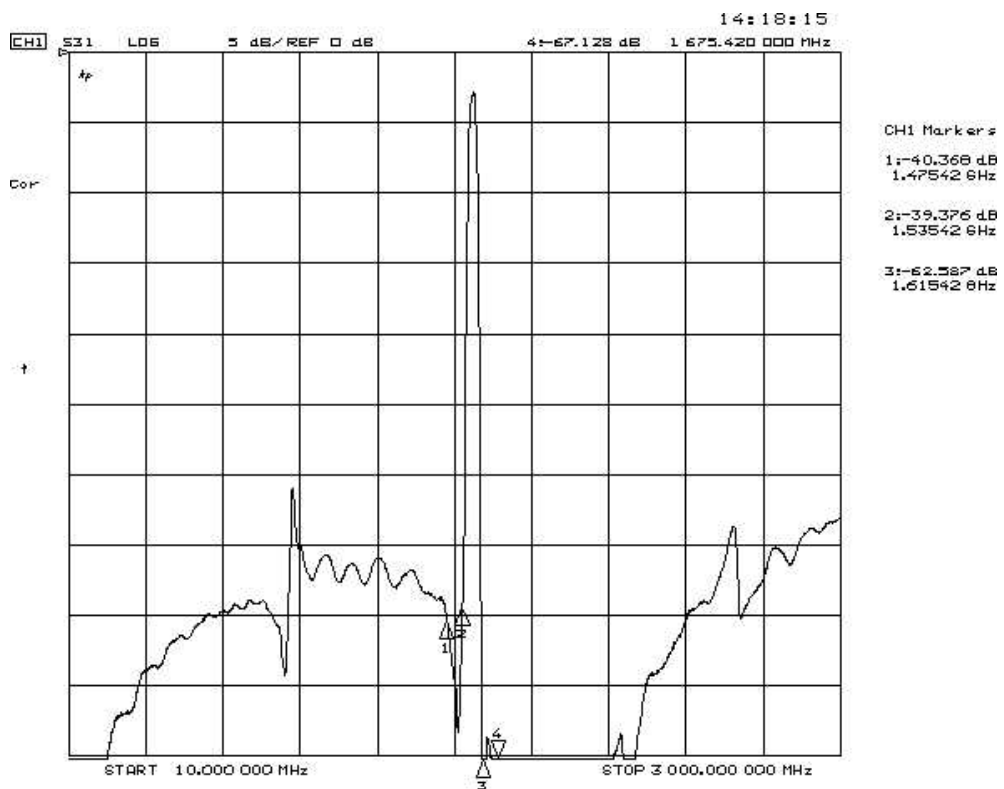
E. PCB Footprint:



F. Frequency Characteristics : Transfer function

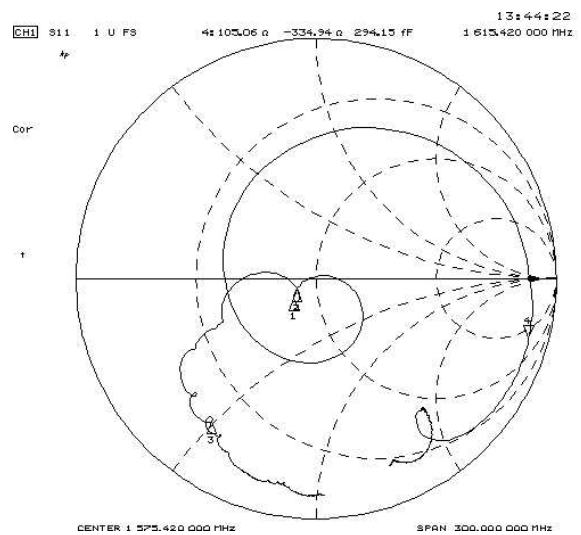
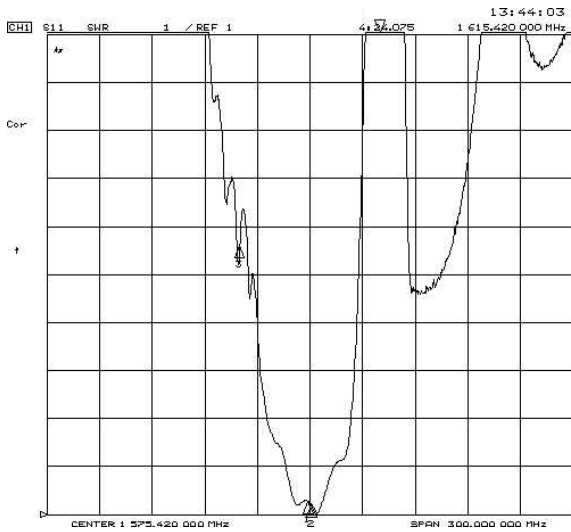


(wide band)

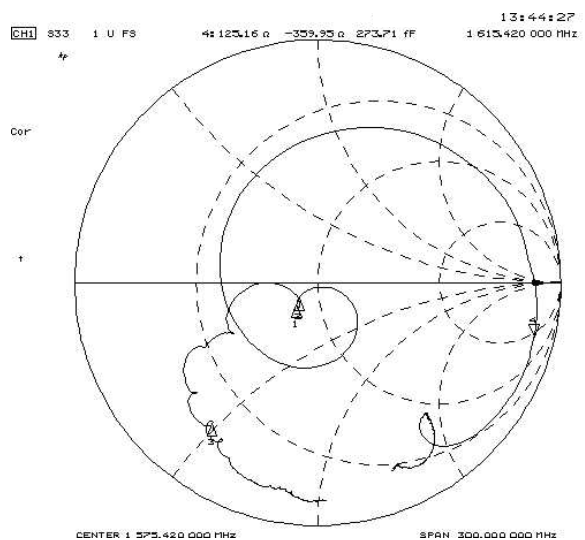
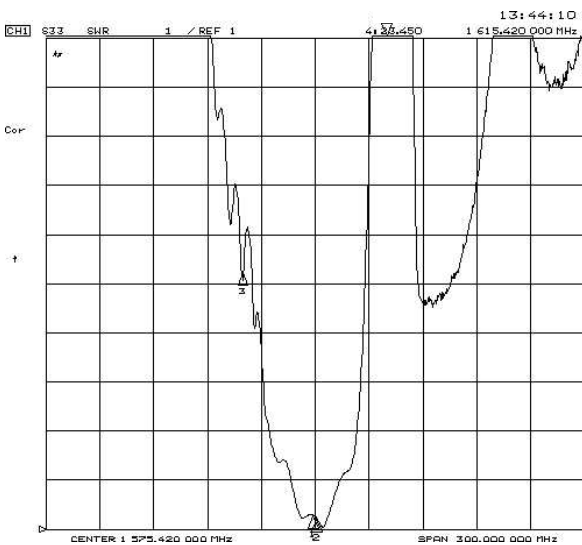


Reflections Functions :

S11 VSWR

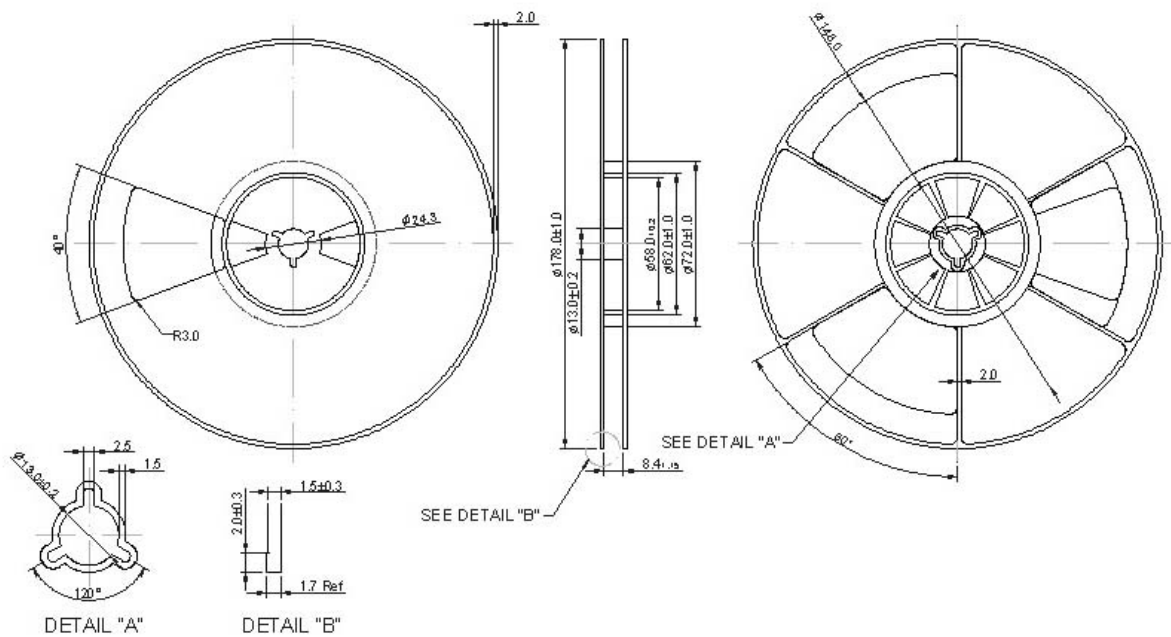


S22 VSWR

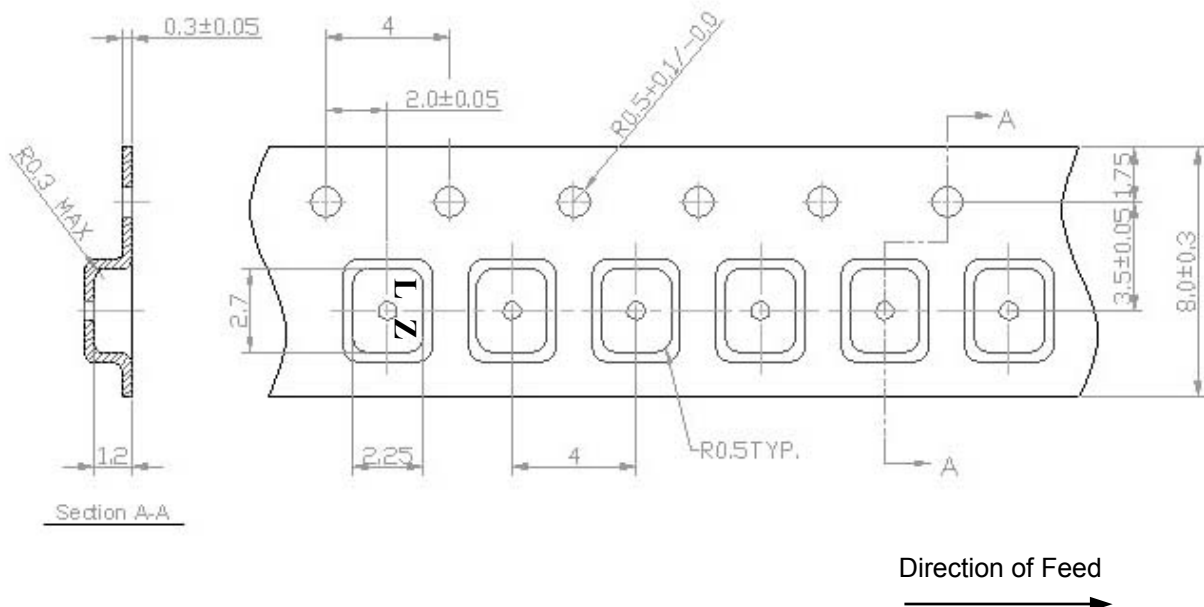


G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

