



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.

TEL: 886-3-4690038 FAX: 886-3-4697532

E-mail: tstsales@mail.taisaw.com Web: www.taisaw.com

Approval Sheet For Product Specification

Issued Date: Oct, 22, 2003

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

TST Parts No.: TA0213A

Customer Parts No.: _____

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Bob Chau

Approval by: _____ Francis Chen

Date: _____ 10,22,2003



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.

TEL: 886-3-4690038 FAX: 886-3-4697532

E-mail: tstsales@mail.taisaw.com Web: www.taisaw.com

SAW Filter 1575.42 MHz for GPS

MODEL NO.: TA0213A

REV. NO.:3

A. MAXIMUM RATING:

1. Maximum Input Signal Level : +10 dBm
2. Maximum DC Voltage : 7.5 V
3. Operating Temperature: -40°C ~ +85°C
4. Storage Temperature: -50°C ~ +100°C

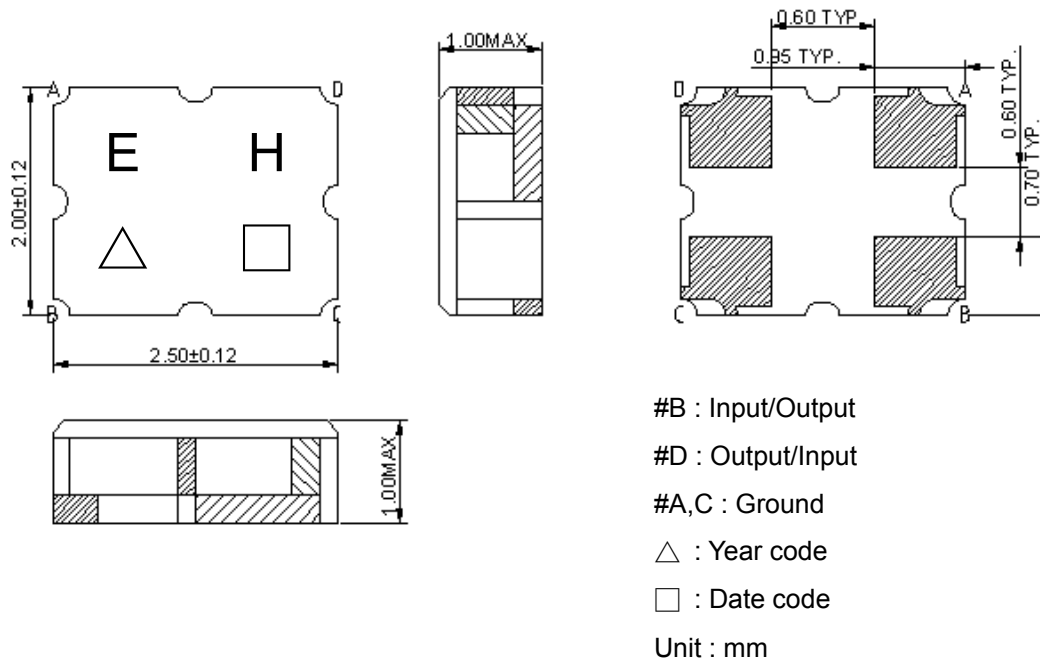
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

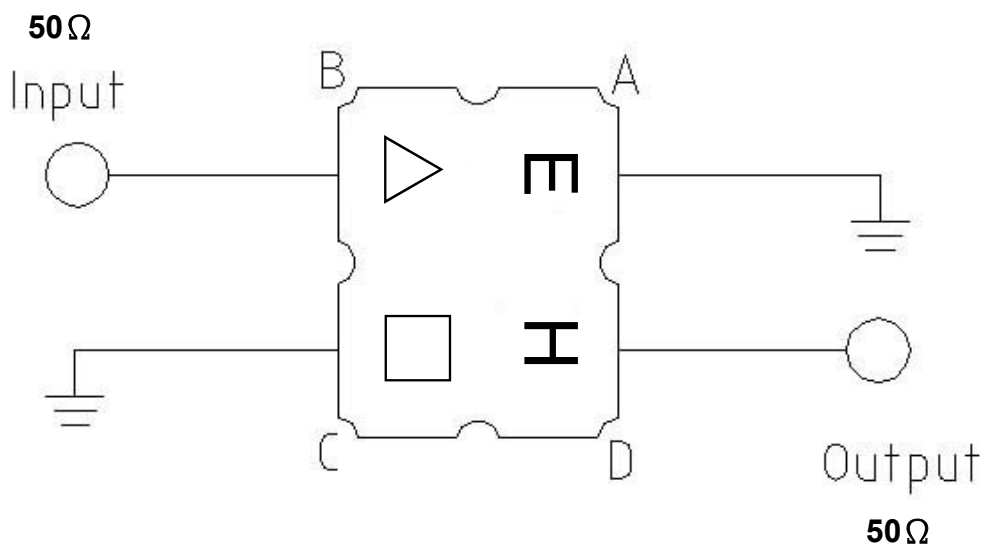
Item			Min.	Typ.	Max.
Center frequency	F_c	(dB)	-	1575.42	-
Insertion loss within F _c +/- 1 MHz	IL	(dB)	-	2.8	3.5
Amplitude ripple (p-p) within F _c +/- 1 MHz		(dB)	-	0.15	1.5
Attenuation (Reference level from 0 dB)					
1400 ~ 1476 MHz		(dB)	35.0	55	-
1476 ~ 1536 MHz		(dB)	30.0	35	-
1615 ~ 1670 MHz		(dB)	30.0	35	-
1670 ~ 1676 MHz		(dB)	40.0	64	-
VSWR within F _c +/- 1 MHz			-	1.8	2.5
Source impedance	Z_s	(Ω)	-	50	-
Load impedance	Z_L	(Ω)	-	50	-

Note1. No matching network required for operation at 50 Ω

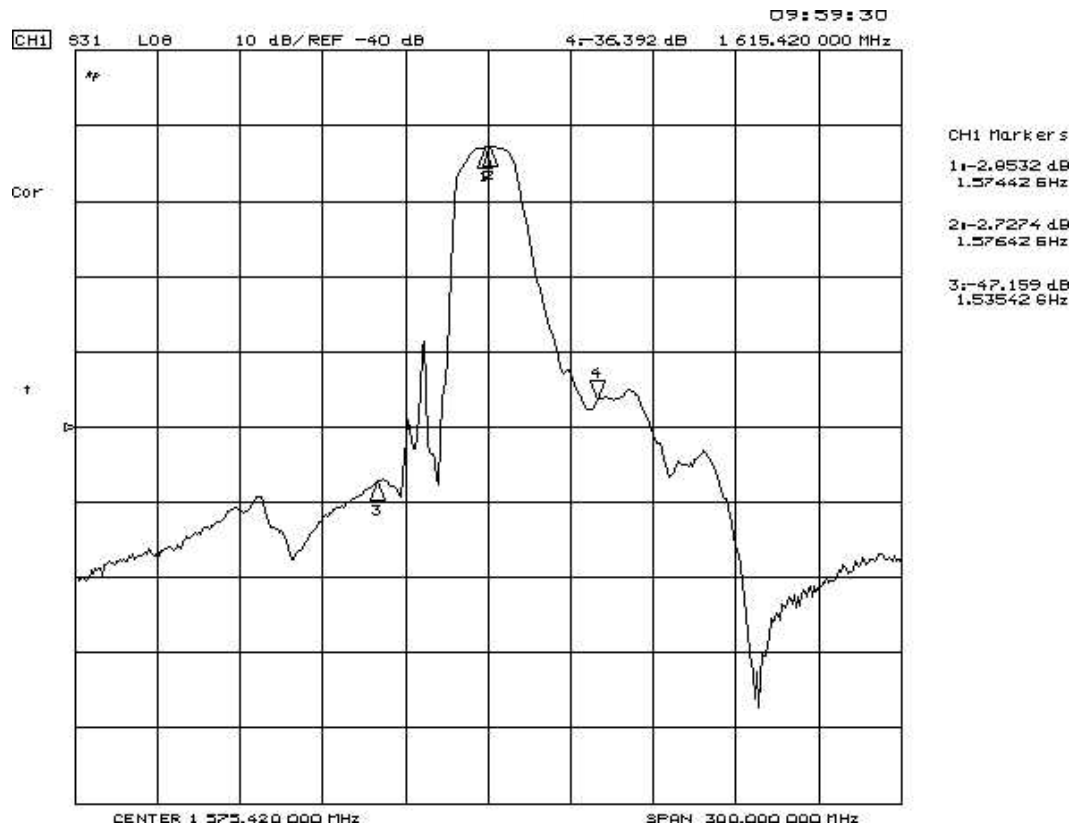
C. OUTLINE DRAWING:



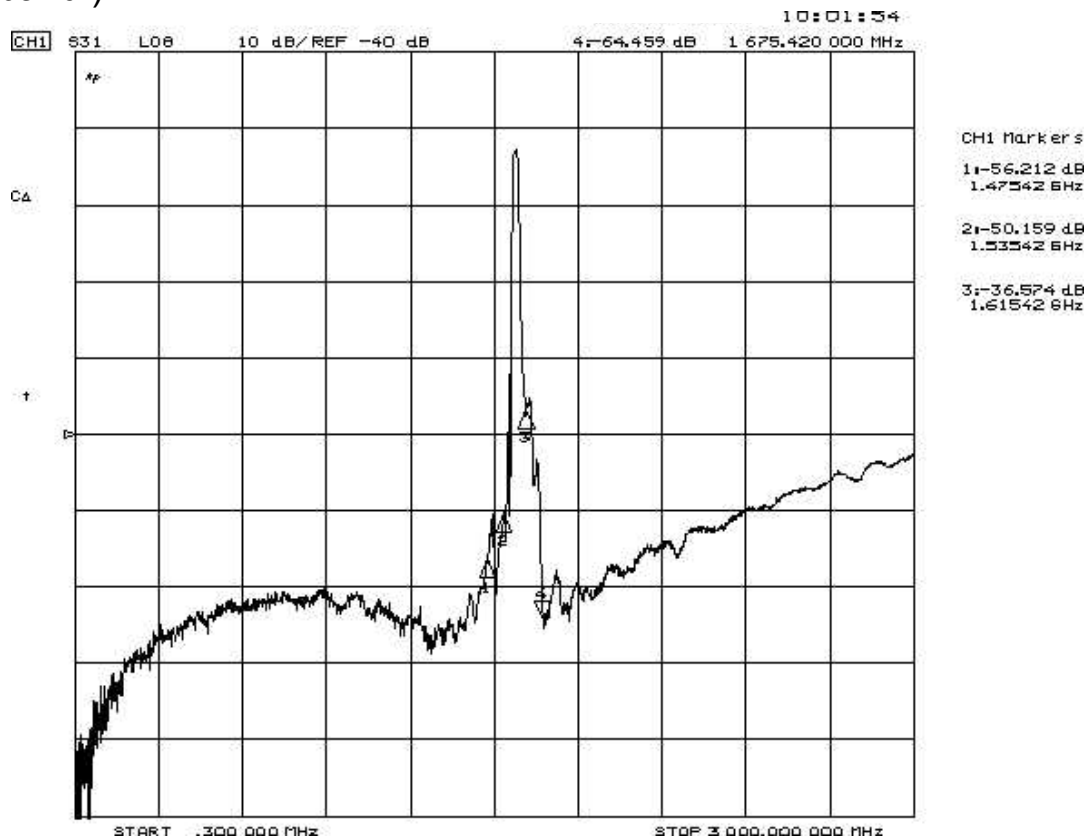
D. MEASUREMENT CIRCUIT:



E. Frequency Characteristics :

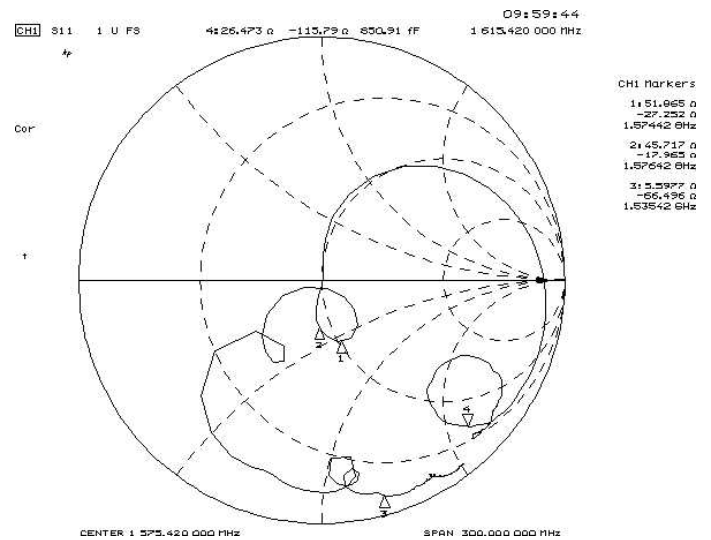
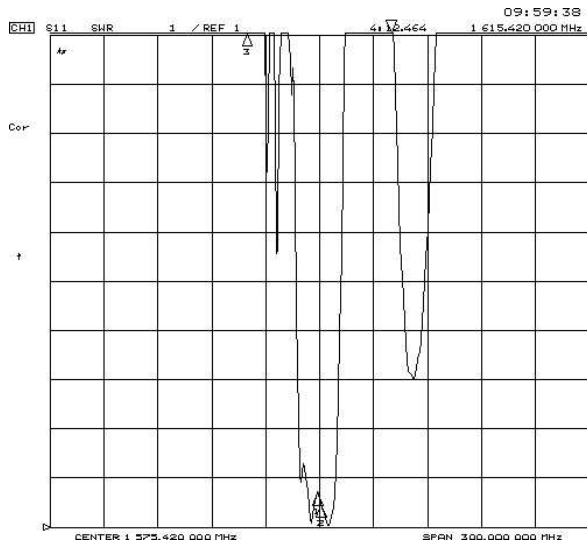


(wide band)

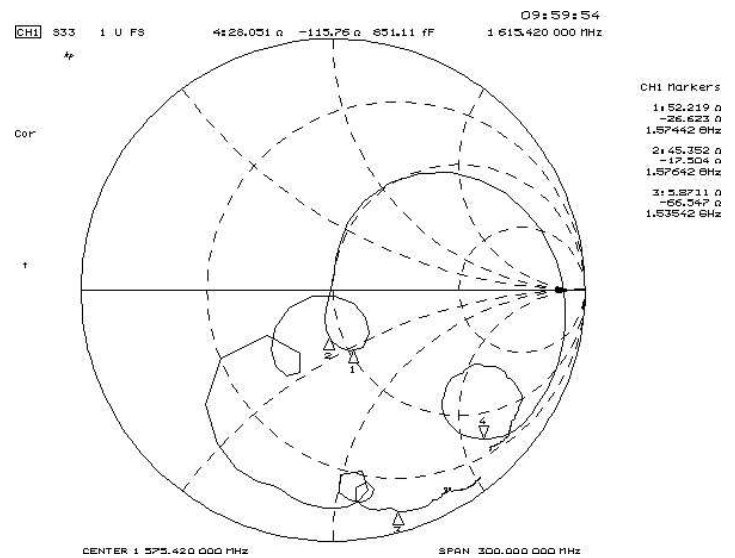
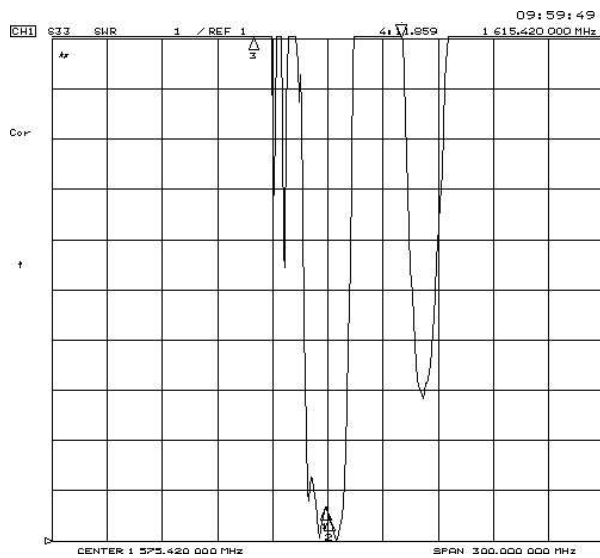


Reflections Functions :

S11

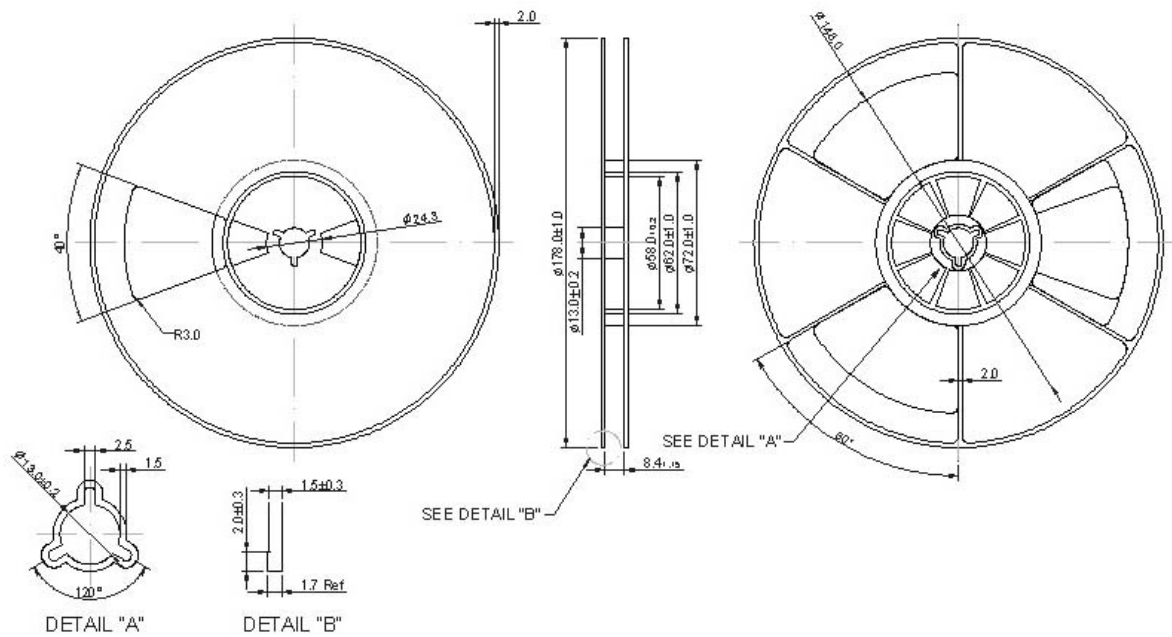


S22



F. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

