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: Sep, 23, 2005

Product Name: SAW Filter 1575.42 MHz SMD 3X3 mm

TST Parts No.:TA1575GG

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____Bob Chau_____

Approval by:_____Francis Chen_____

Date:_____9, 23, 2005_____

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SAW Filter 1575.42 MHz for GPS

MODEL NO.: TA1575GG REV. NO.:4

RoHS Compliant
Lead free
Lead-free soldering

A. MAXIMUM RATING:

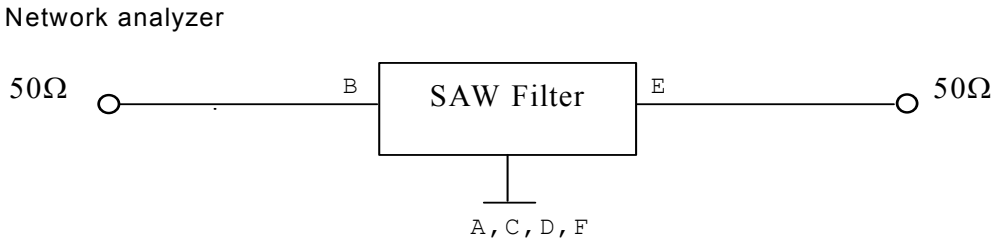
1.Input Power Level: 10 dB_m
2.DC voltage: 5 V
3.Operating Temperature: -40°C to +85°C
4.Storage Temperature: -50°C to +100°C

B. ELECTRICAL CHARACTERISTICS:

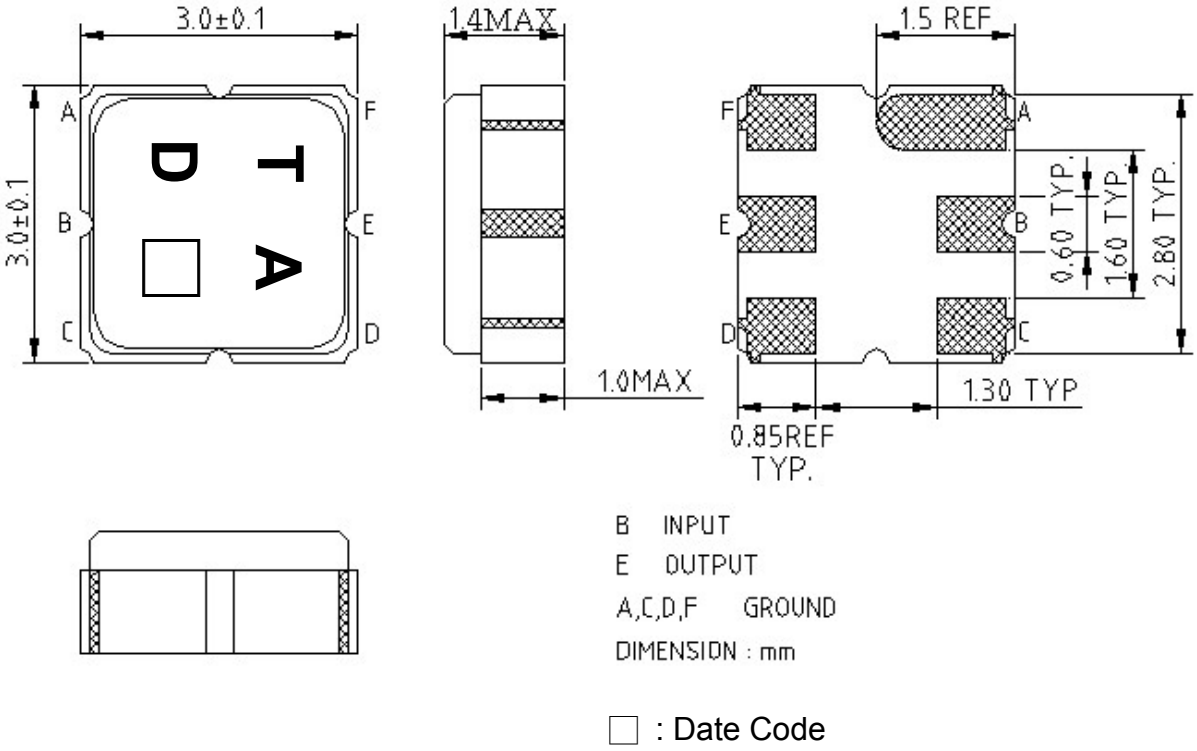
Item			Min.	Typ.	Max.
Center frequency	**Fc**	(dB)	-	1575.42	-
Insertion loss (1574.42~1576.42 MHz)	**IL**	(dB)	-	2.6	3.5
Amplitude ripple (1574.42~1576.42 MHz)		(dB)	-	0.1	1.5
Attenuation (Reference level from 0 dB)					
1475.42 MHz		(dB)	35	42	-
1535.42 MHz		(dB)	30	44	-
1615.42 MHz		(dB)	30	55	-
1675.42 MHz		(dB)	40	48	-
Input/Output VSWR (1574.42~1576.42 MHz)			-	1.5	2.5
Source impedance	Zs	(Ω)	-	50	-
Load impedance	Z_L	(Ω)	-	50	-

Note1. The standard definitions is in JIS C 6703

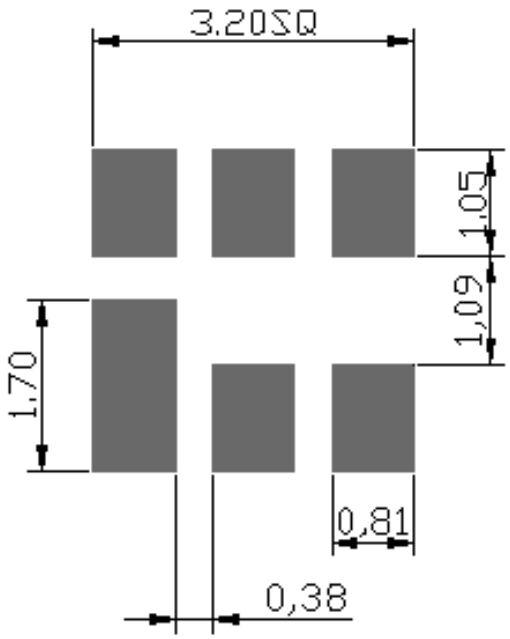
C. MEASUREMENT CIRCUIT:



D. OUTLINE DRAWING:

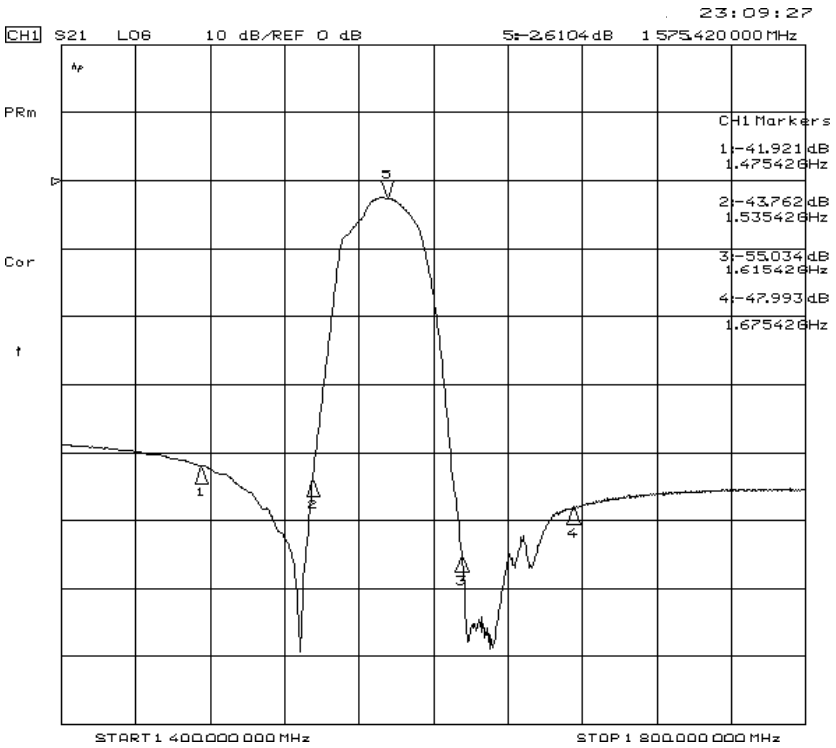


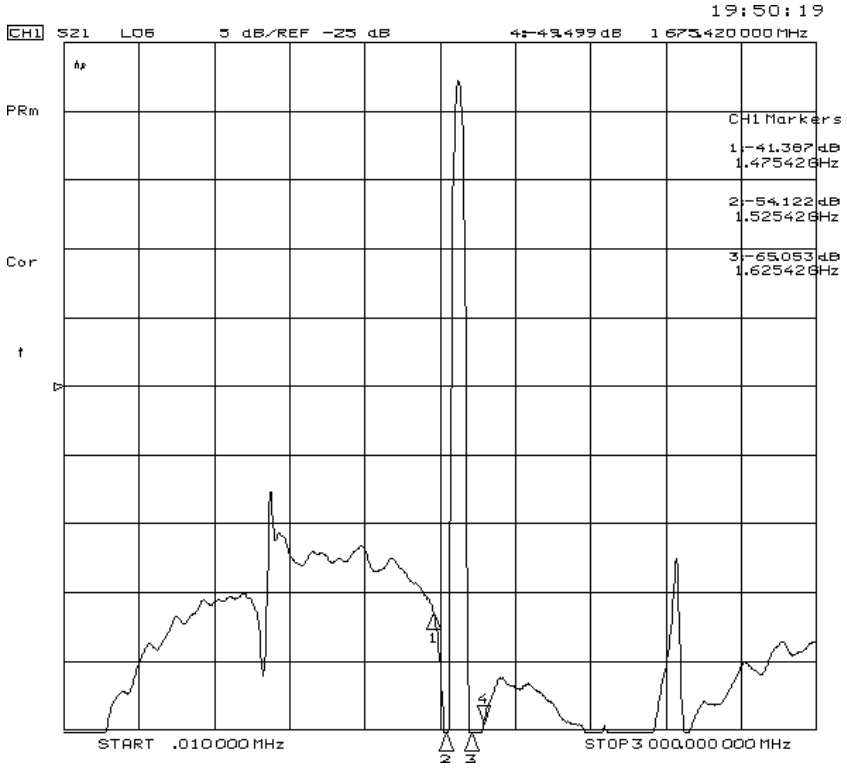
E. PCB Footprint:



F. Frequency Characteristics :

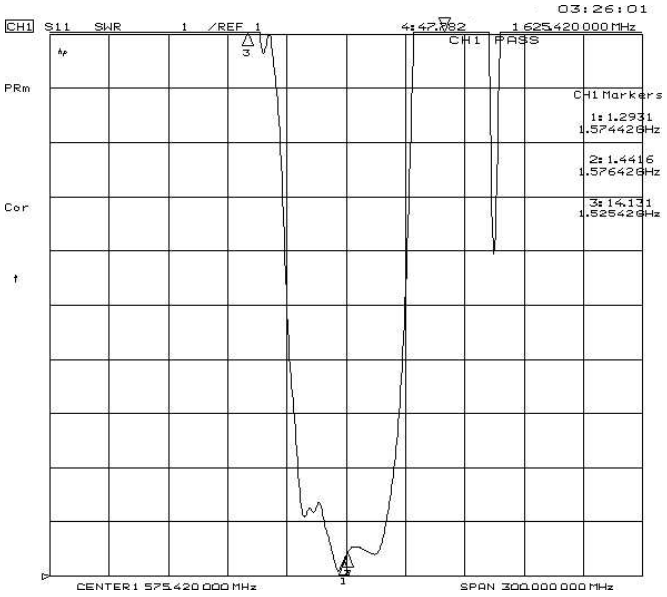
Transfer function

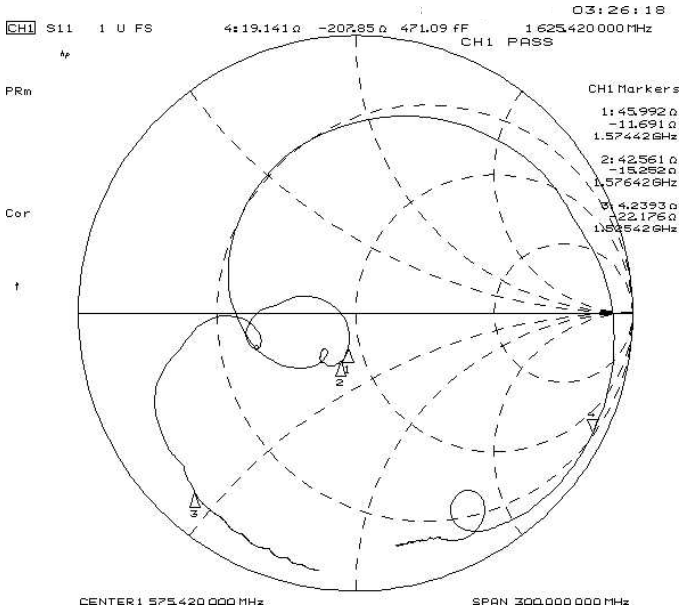




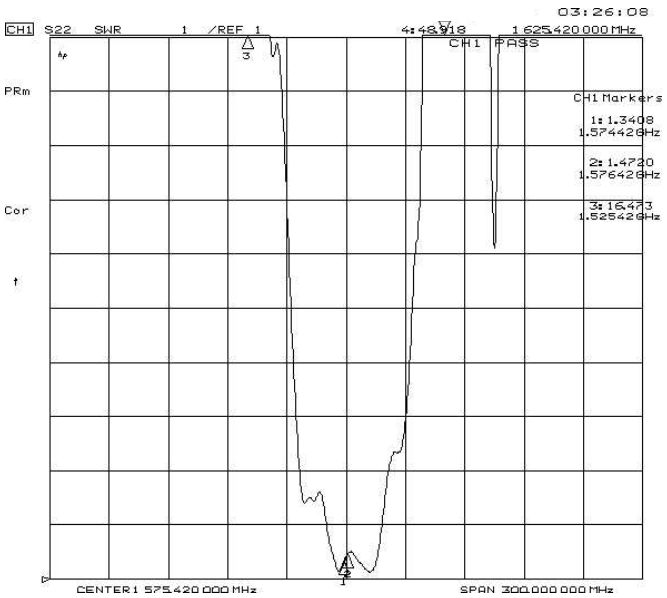
Reflections Functions :

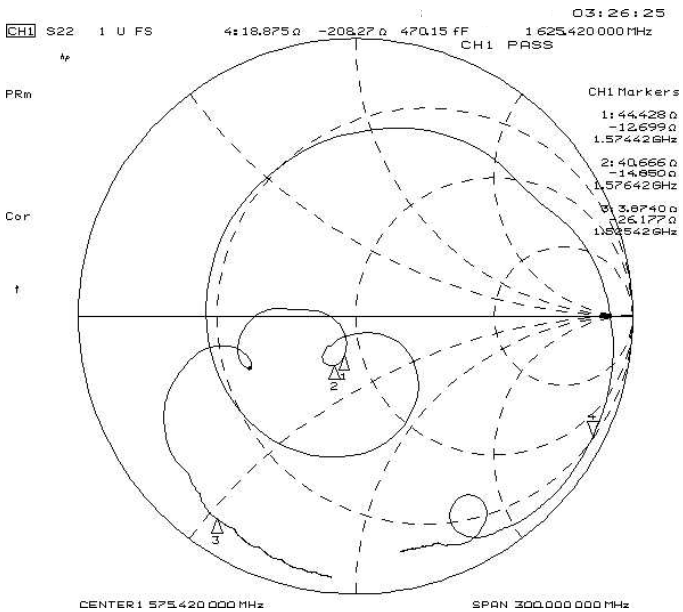
S11





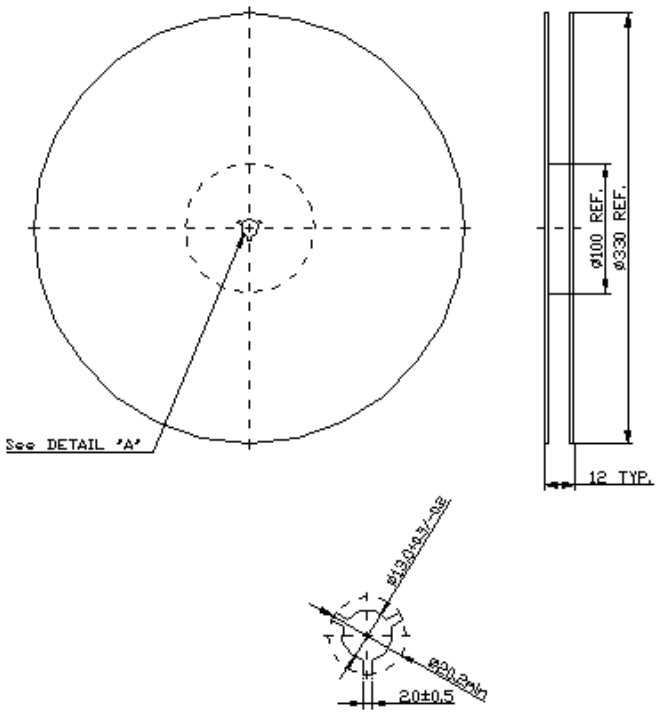
S22





G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

