



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: 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

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

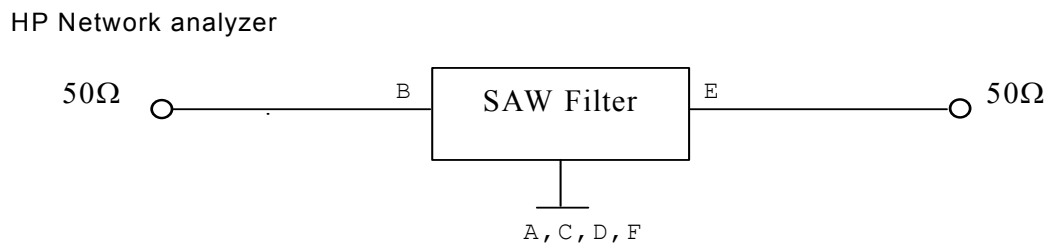
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

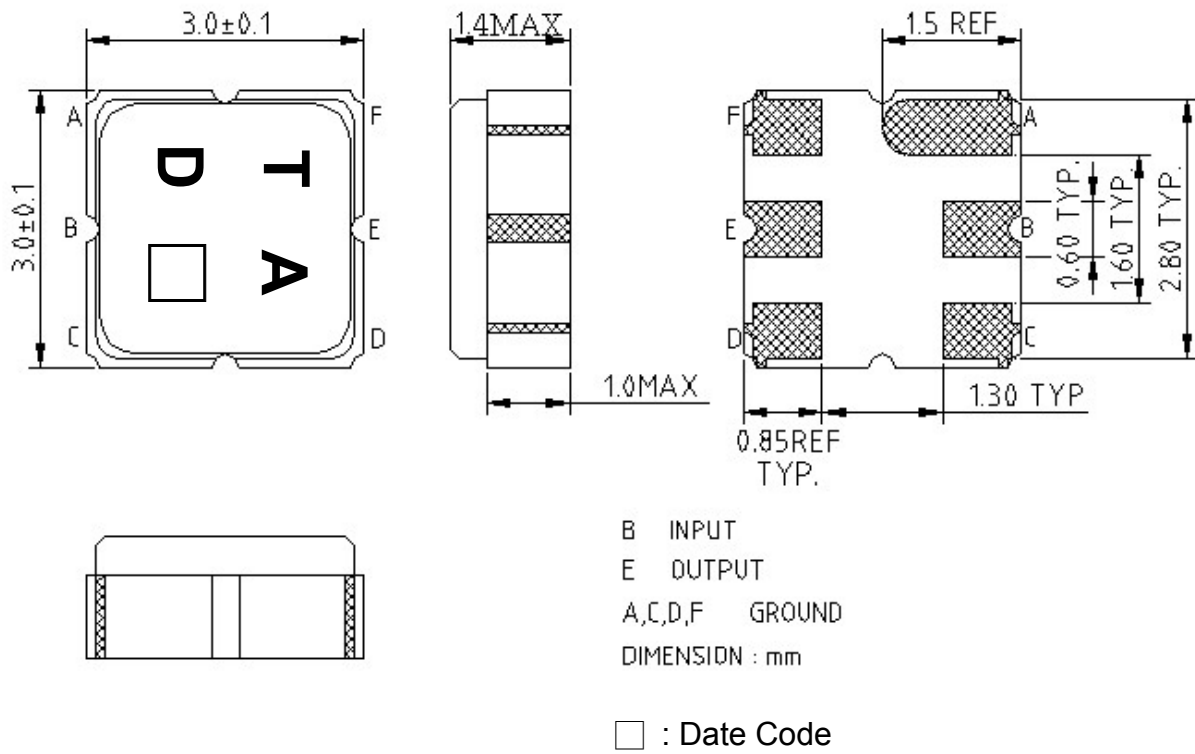
Item		Min.	Typ.	Max.
Center frequency	F_c (dB)	-	1575.42	-
Insertion loss (1574.42~1576.42 MHz)	IL (dB)	-	2.6	3.5
Amplitude ripple (1574.42~1576.42 MHz)	(dB)	-	0.1	1.5
Attenuation (Reference level from 0 dB)				
1475.42	MHz (dB)	35	42	-
1535.42	MHz (dB)	30	44	-
1615.42	MHz (dB)	30	55	-
1675.42	MHz (dB)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

Note1. The standard definitions is in JIS C 6703

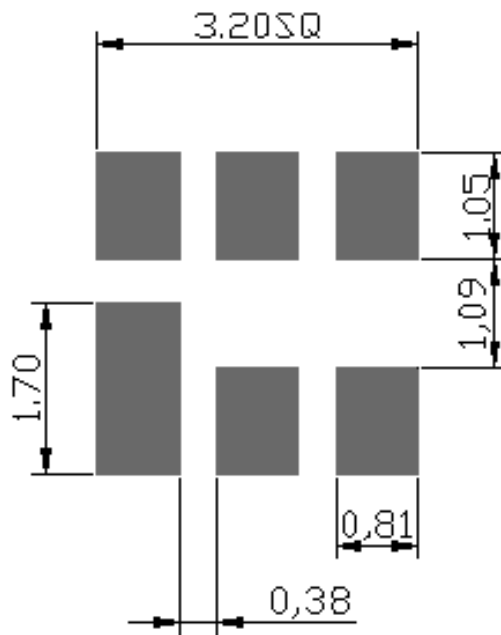
C. MEASUREMENT CIRCUIT:



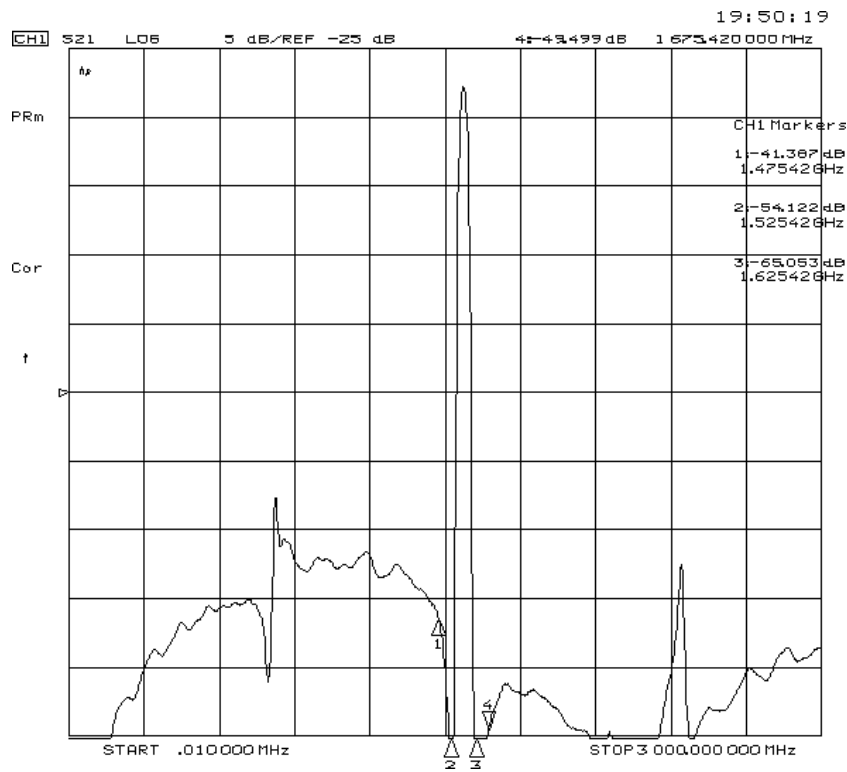
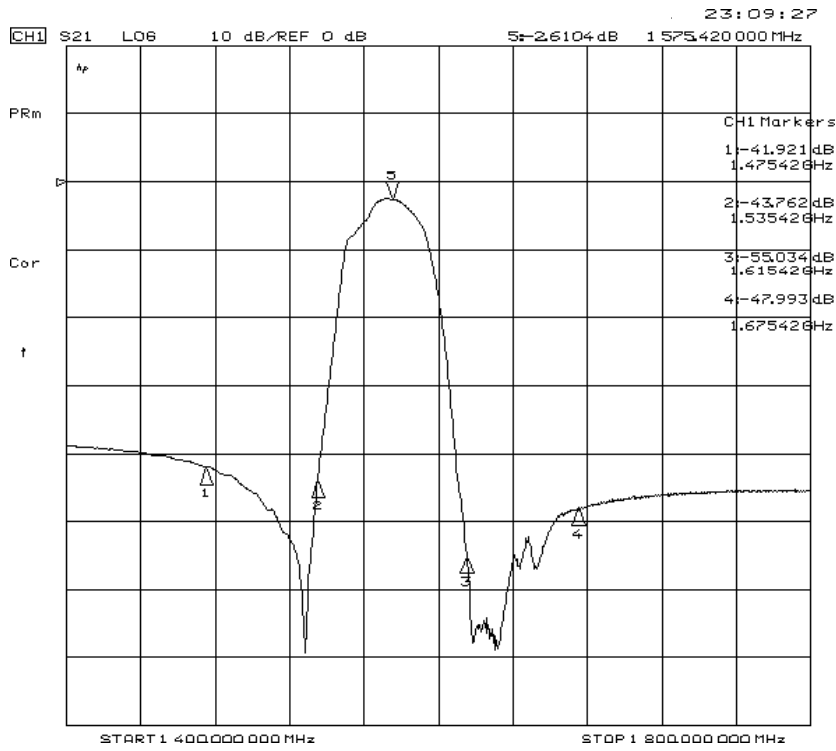
D. OUTLINE DRAWING:



E. PCB Footprint:

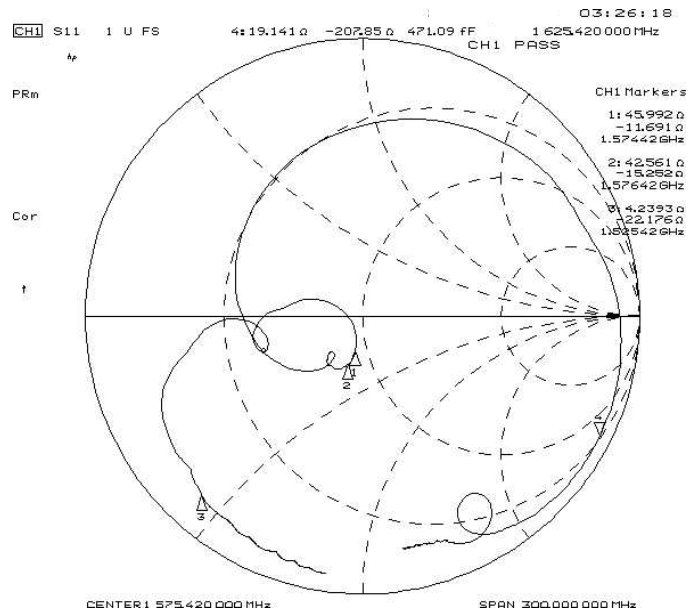
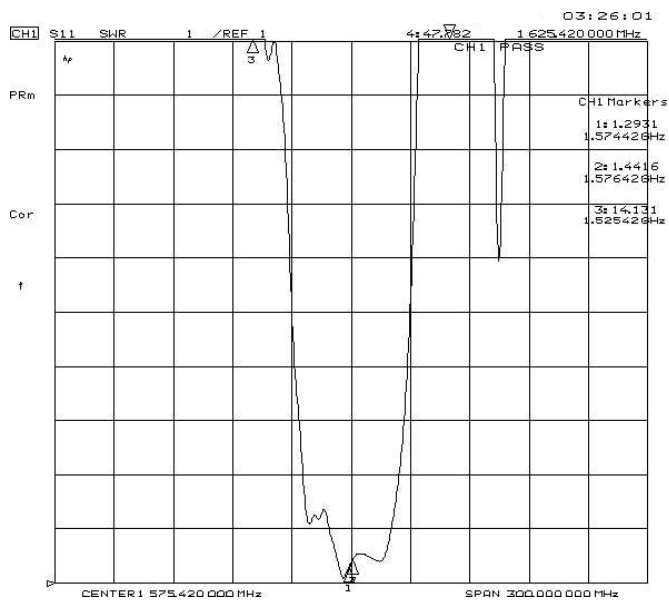


F. Frequency Characteristics : Transfer function

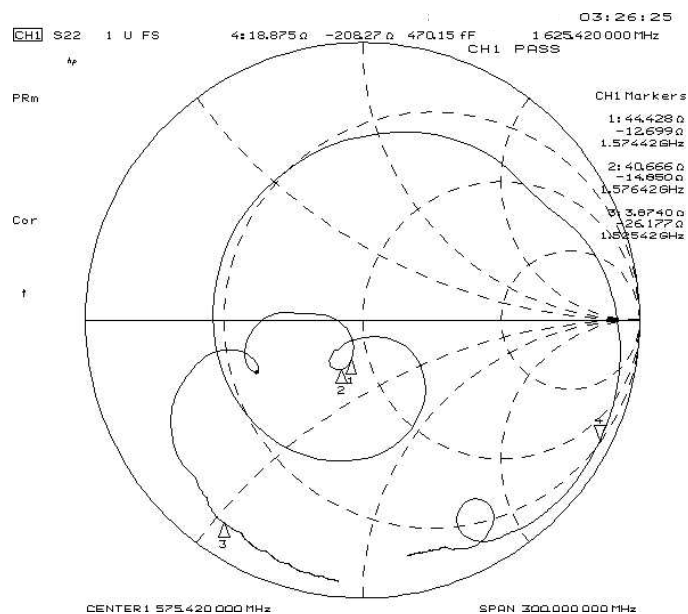
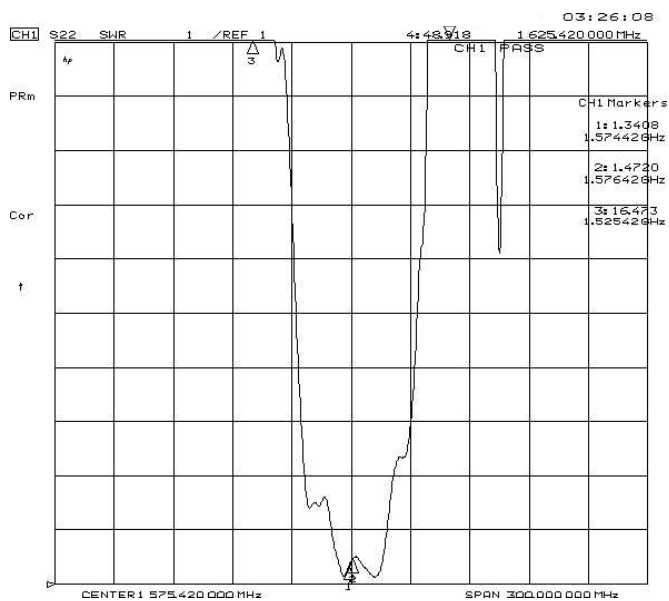


Reflections Functions :

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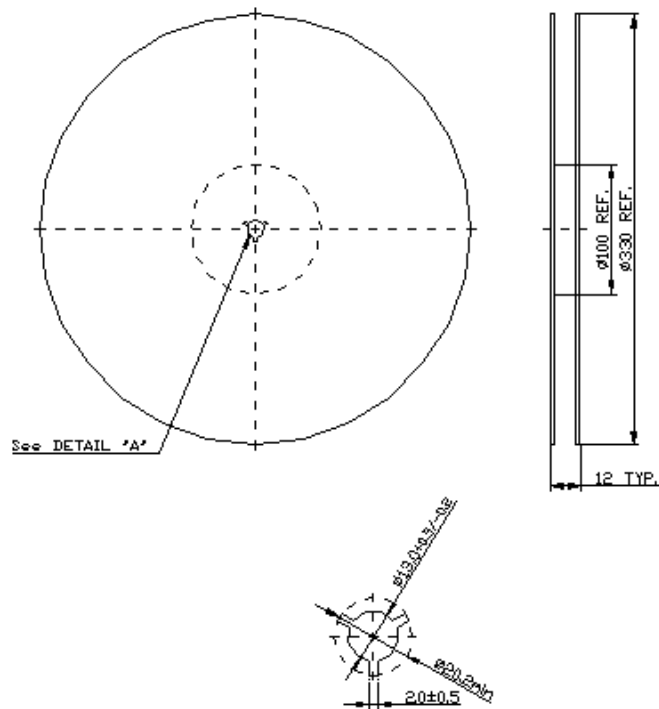


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G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

