



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
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Product Specifications Approval Sheet

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

TST Part No.: TA0285A

Customer Part No.: _____

Customer signature required
Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: _____ Bob Chau *[Signature]*

Approved by: _____ Francis Chen *[Signature]*

Date: _____ 10, 1, 2009

1. Customer signed back is required before TST can proceed with sample build and receive orders.
2. Orders received without customer signed back will be regarded as agreement on the specifications.
3. Any specifications changes must be approved upon by both parties and a new revision of specifications shall be released to reflect the changes.



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SAW Filter 1575.42 MHz for GPS

MODEL NO.: TA0285A

REV. NO.:5

A. MAXIMUM RATING:

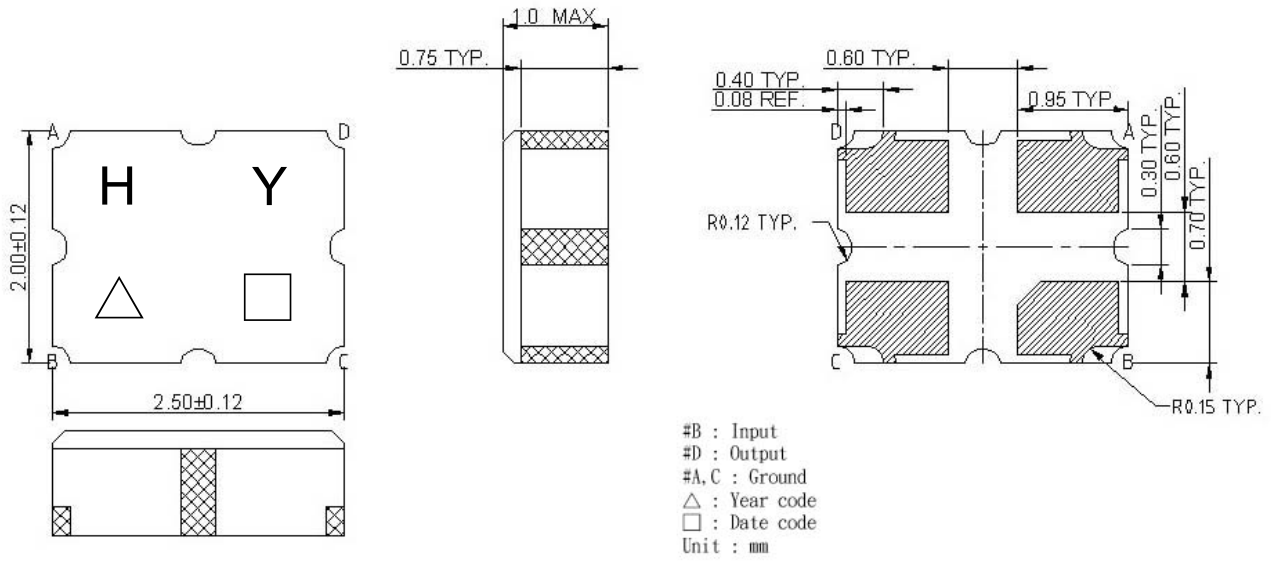
1. Input Power Level: 10 dB_m
2. DC voltage: 5 V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

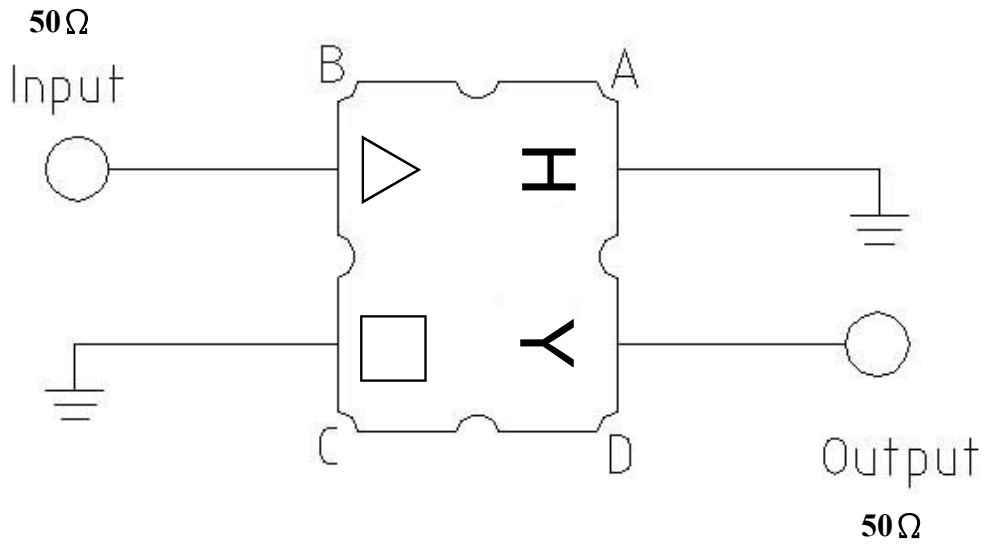
Item	Min.	Typ.	Max.
Center frequency F_c (MHz)	-	1575.42	-
Insertion loss (1574.22~1576.62 MHz) IL (dB)	-	1.5	2.2
Amplitude ripple (1574.22~1576.62 MHz) (dB)	-	0.1	1.0
Attenuation (Reference level from 0 dB)			
D.C. ~ 1400 MHz (dB)	35.0	37.0	-
1400 ~ 1475 MHz (dB)	30.0	34.0	-
1475 ~ 1525 MHz (dB)	25.0	37.0	-
1625 ~ 1640 MHz (dB)	30.0	45.0	-
1640 ~ 2000 MHz (dB)	32.0	34.0	-
2000 ~ 3000 MHz (dB)	20.0	28.0	-
VSWR (1574.22~1576.62 MHz)	-	1.2	2.0
Source impedance Z_s (Ω)	-	50	-
Load impedance Z_L (Ω)	-	50	-

Note1. The standard definitions is in JIS C 6703

C. OUTLINE DRAWING:

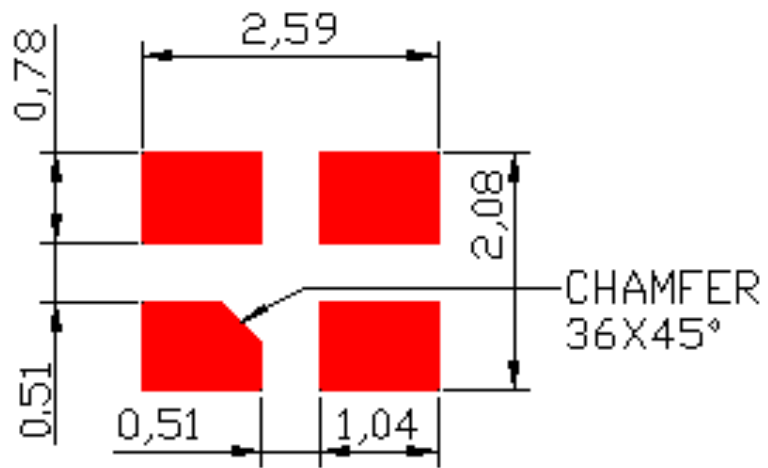


D. MEASUREMENT CIRCUIT:

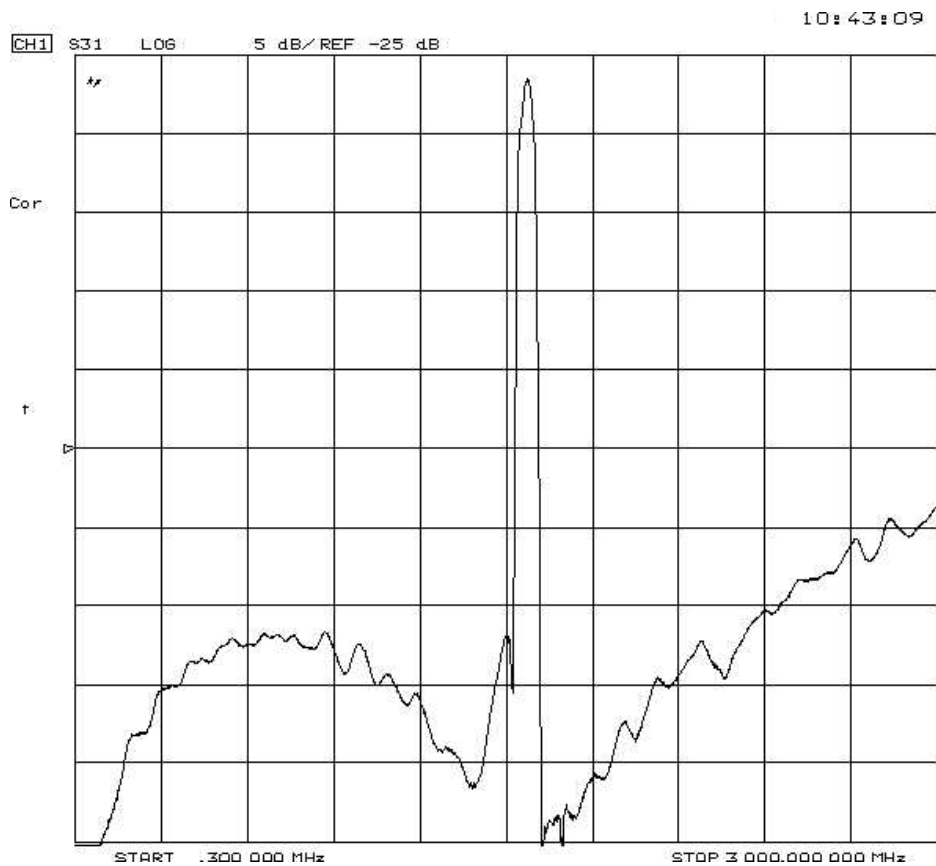
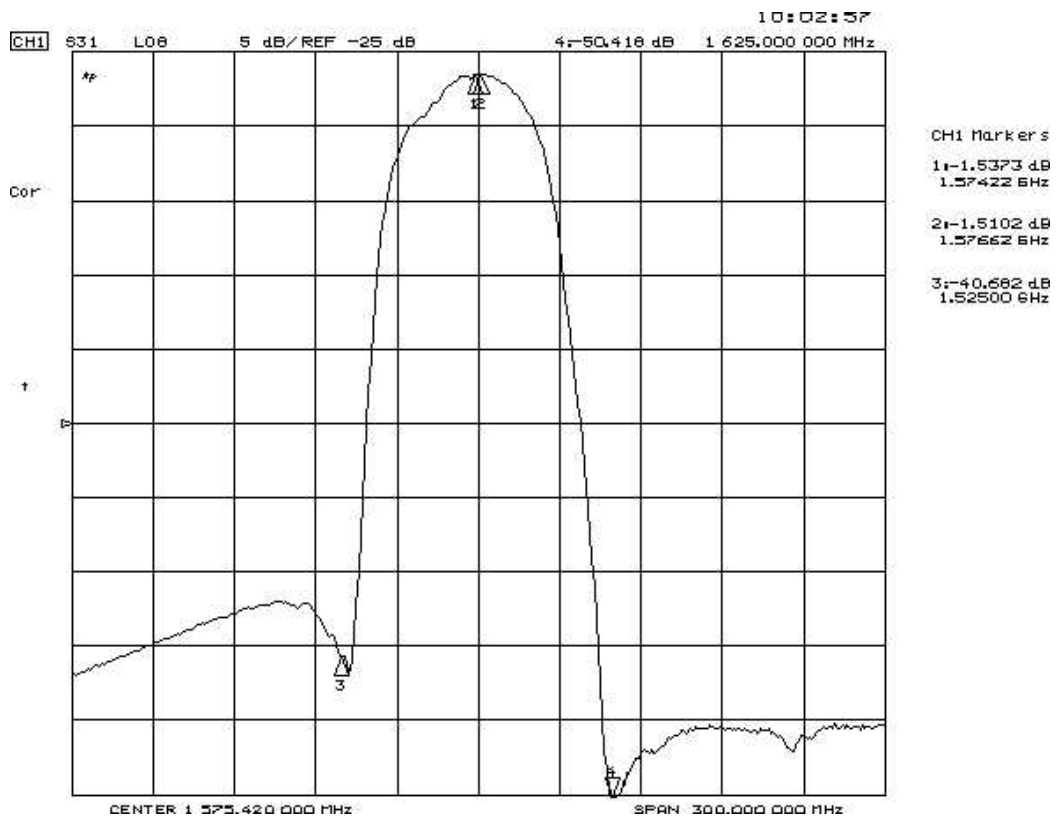


△ : Year Code
 □ : Date Code

E. PCB Footprint:

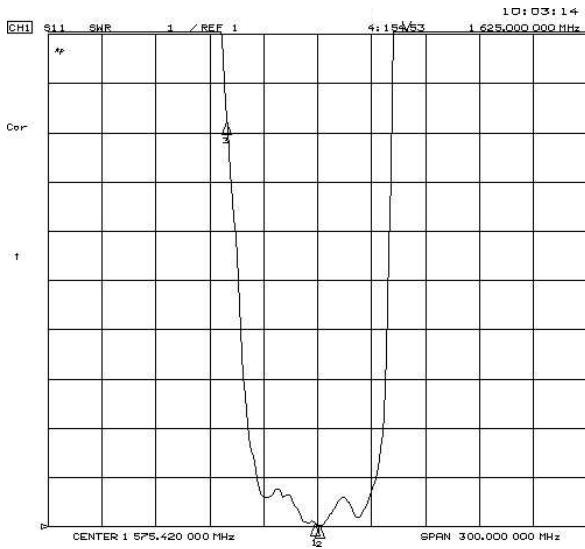


F. Frequency Characteristics : Transfer function

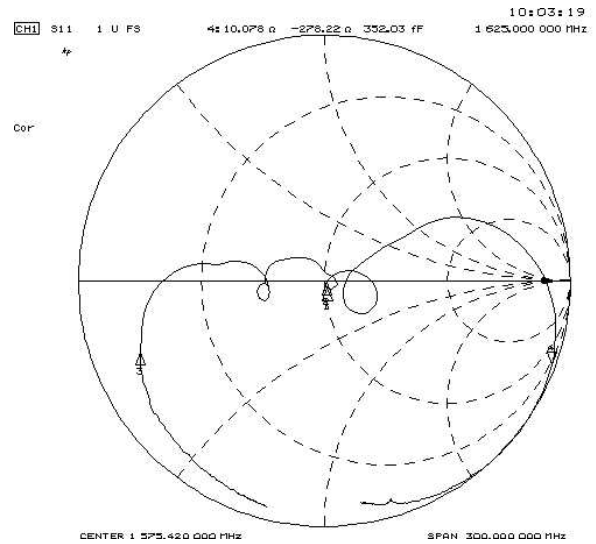


Reflections Functions :

S11 VSWR

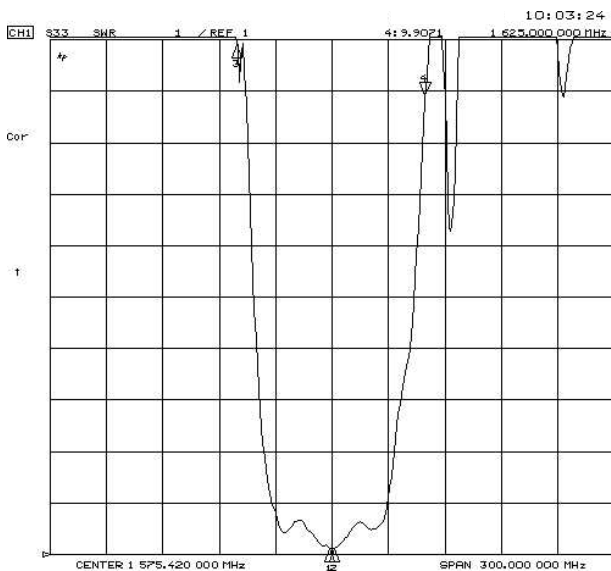


CH1 Markers
 1: 1.0649
 1.57422 GHz
 2: 1.0252
 1.57662 GHz
 3: 9.2329
 1.52500 GHz

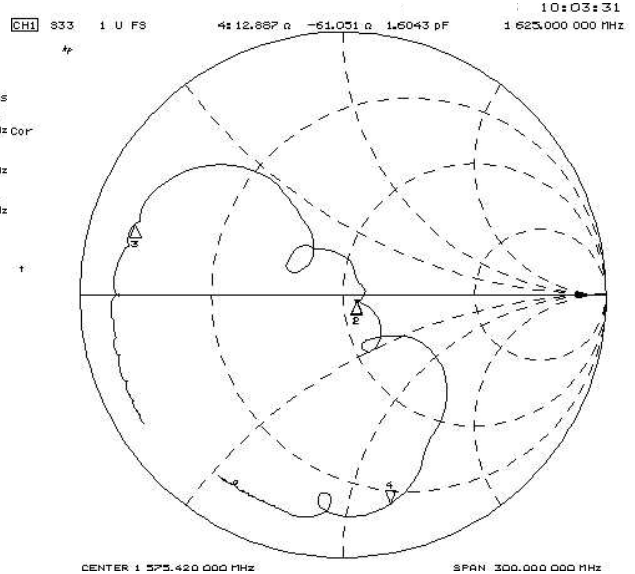


CH1 Markers
 1: 51.211 a
 -2.9609 a
 1.57422 GHz
 2: 51.002 a
 -667.37 a
 1.57662 GHz
 3: 5.6143 a
 -3.0334 a
 1.52500 GHz

S22 VSWR



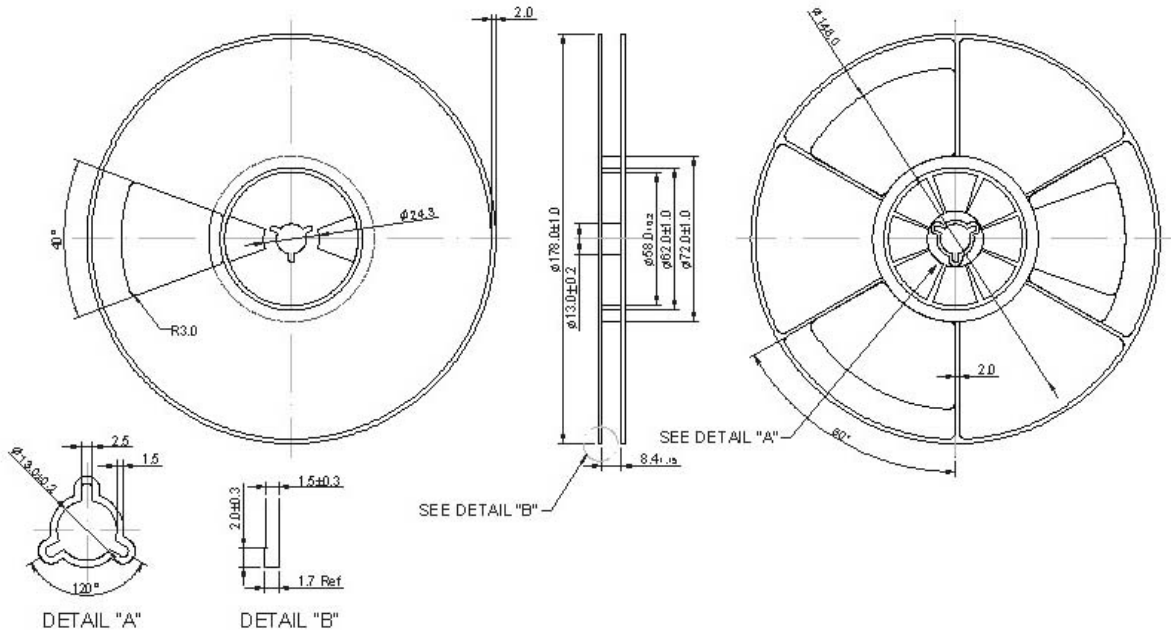
CH1 Markers
 1: 1.1199
 1.57422 GHz Cor
 2: 1.1221
 1.57662 GHz
 3: 11.090
 1.52500 GHz



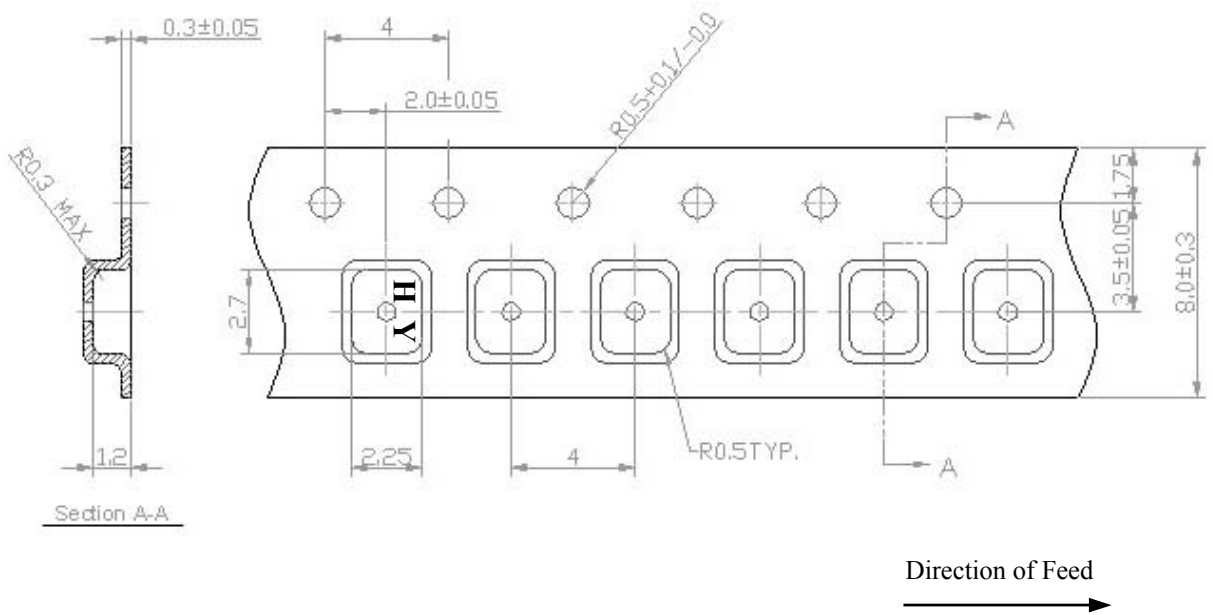
CH1 Markers
 1: 55.340 a
 -2.5137 a
 1.57422 GHz
 2: 55.604 a
 -2.3866 a
 1.57662 GHz
 3: 4.6333 a
 6.2705 a
 1.52500 GHz

G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

