



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: Feb, 2, 2007

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

TST Parts No.: TA0654A

Customer Parts No.: _____

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Bob Chau

Approval by: _____ Francis Chen

Date: _____ 2, 2, 2007



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SAW Filter 1575.42MHz

MODEL NO.:TA0654A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -55°C to +95°C

RoHS Compliant
Lead free
Lead-free soldering

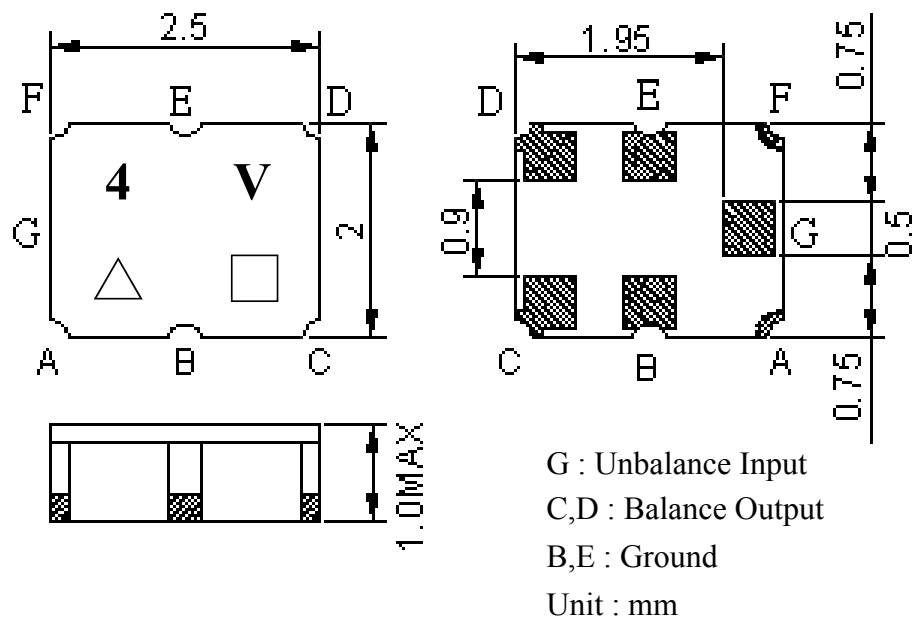
B. ELECTRICAL CHARACTERISTICS:

Terminating source impedance (single-ended) : $Z_s = 50 \Omega$

Terminating load impedance (differential) : $Z_L = 100 \Omega$

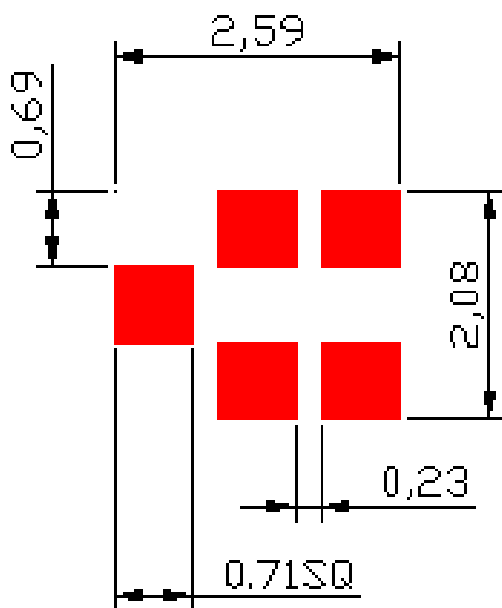
Item	Unit	Min.	Type.	Max.	Note
Center Frequency Fc	MHz	-	1575.42	-	-
Max. Insertion Loss (1574.42~1576.42 MHz) IL	dB	-	1.35	1.9	-
Amplitude ripple (1574.42~1576.42 MHz)	dB	-	0.1	0.5	-
Output amplitude balance ($ S_{31}/S_{21} $) (1574.42~1576.42 MHz)	dB	-2	1.3	2	-
Output phase balance ($\Phi(S_{31}) - \Phi(S_{21}) + 180^\circ$) (1574.42~1576.42 MHz)	deg	10	1	10	-
VSWR (1574.42~1576.42 MHz)		-	1.3	1.8	-
Attenuation					
100~960 MHz	dB	40	48	-	-
960~1425 MHz	dB	35	46	-	-
1425~1475 MHz	dB	30	54	-	-
1475~1515 MHz	dB	20	39	-	-
1515~1525 MHz	dB	17	39	-	-
1625~1635 MHz	dB	12	22	-	-
1635~1675 MHz	dB	20	24.5	-	-
1675~1750 MHz	dB	30	34.5	-	-
1750~1805 MHz	dB	35	43.5	-	-
1805~1980 MHz	dB	40	50	-	-
1980~2400 MHz	dB	35	40	-	-
2400~3155 MHz	dB	40	56	-	-
3155~6000 MHz	dB	35	55	-	-

C.OUTLINE DRAWING:

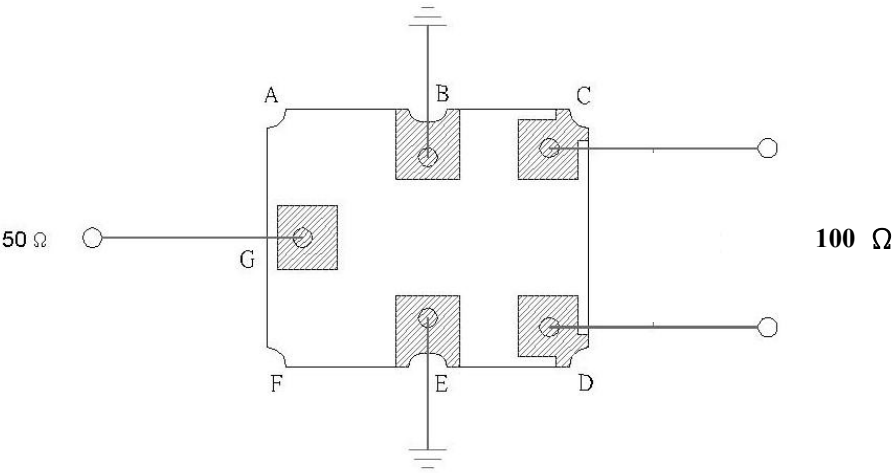


- △ : Year Code (2006->6, ..., 2009->9)
□ : Date Code (Follow the table from planner each year)

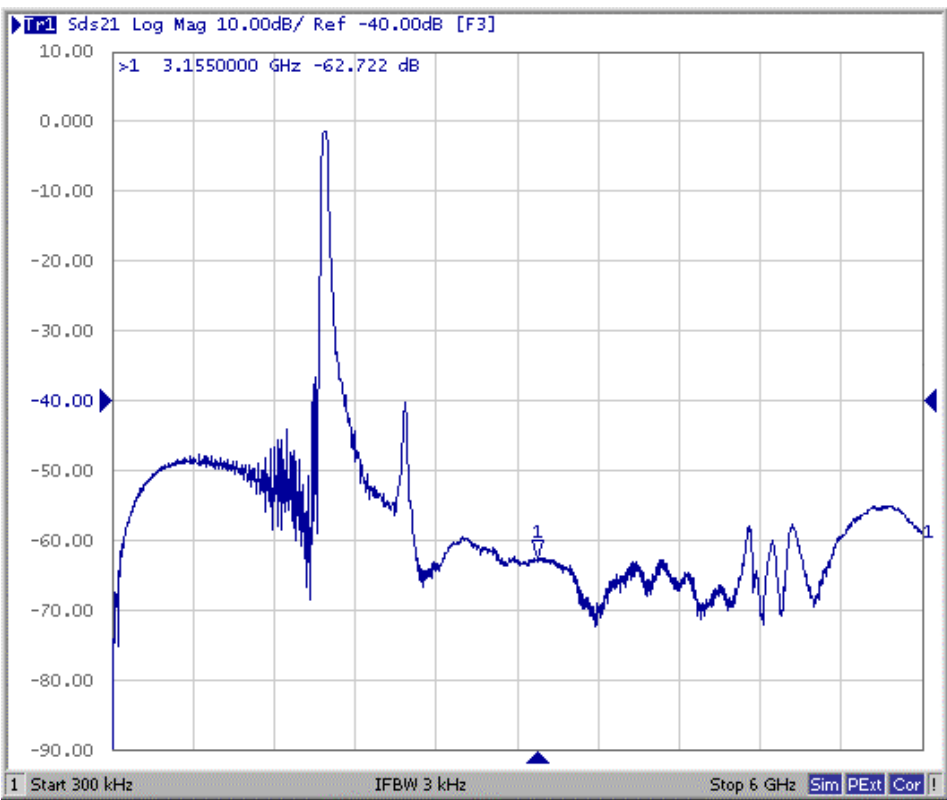
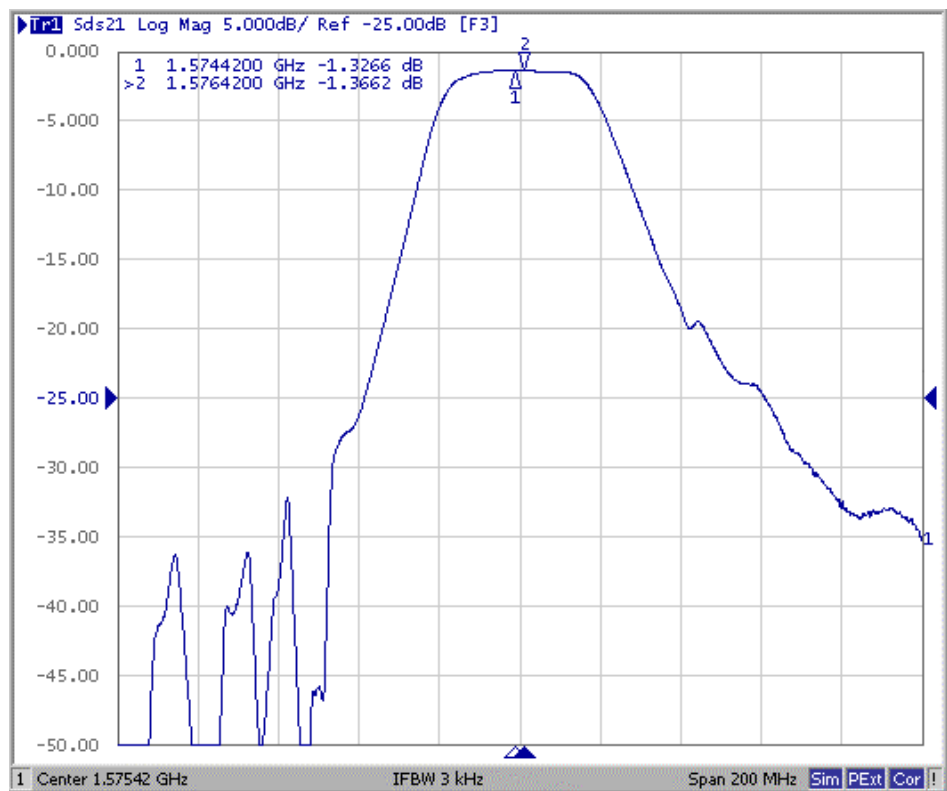
D. PCB Footprint:



E. MEASUREMENT CIRCUIT:

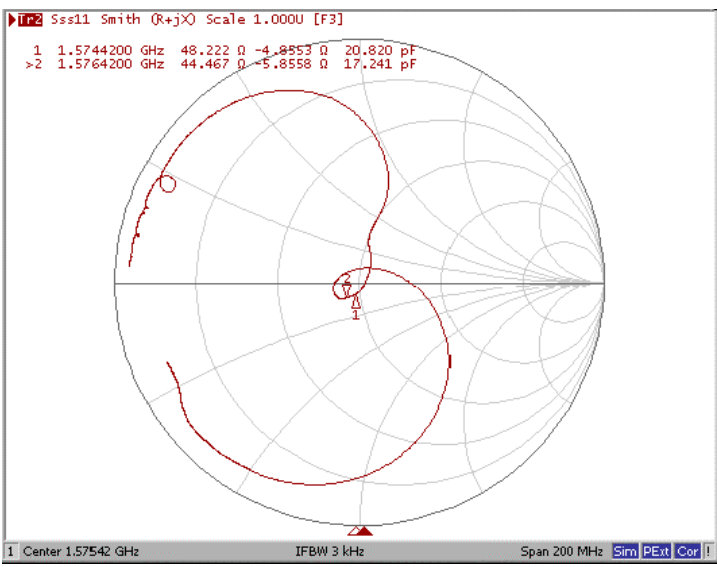
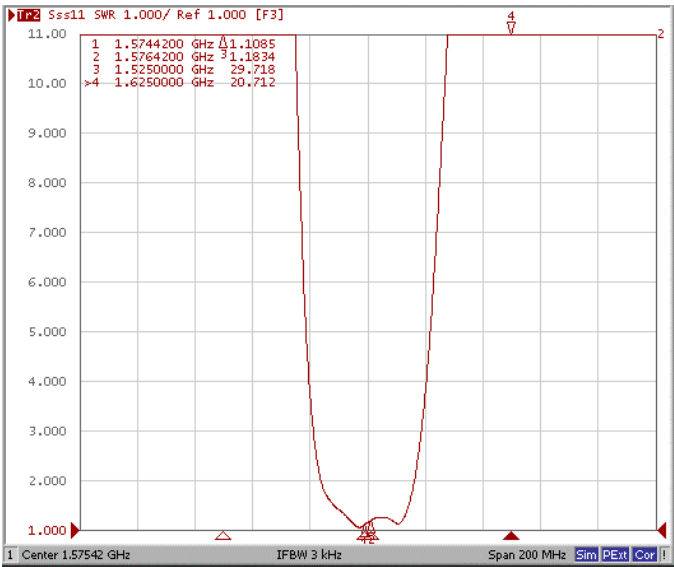


F. Frequency Characteristics :

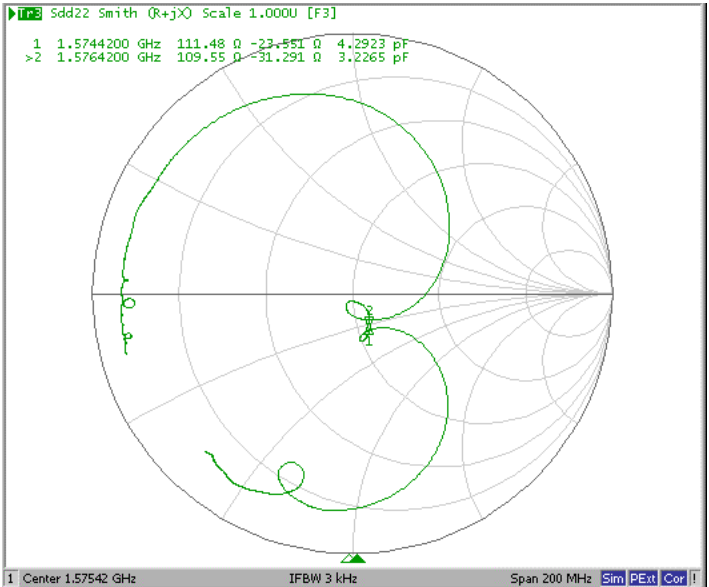
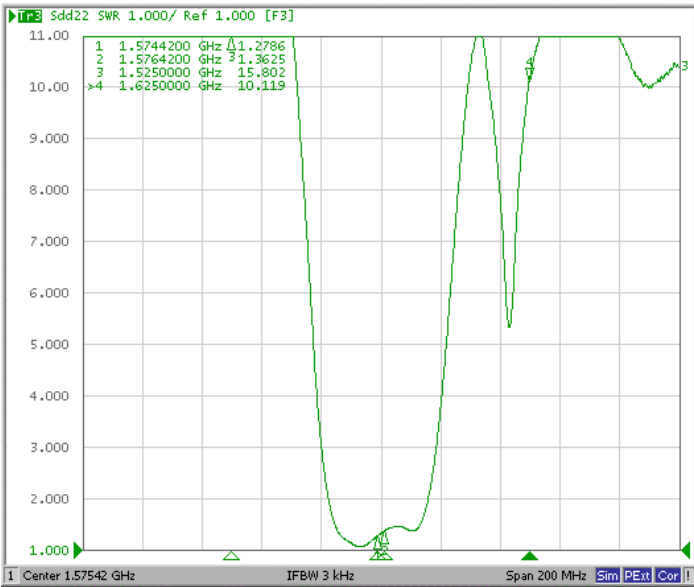


Reflection Functions :

S11



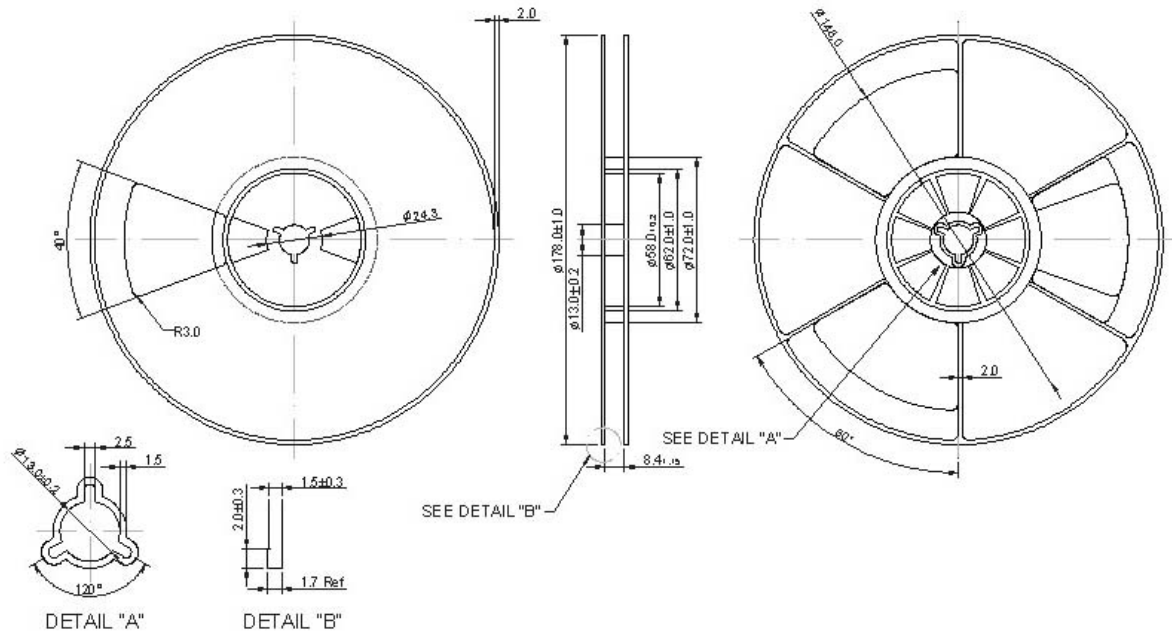
S22



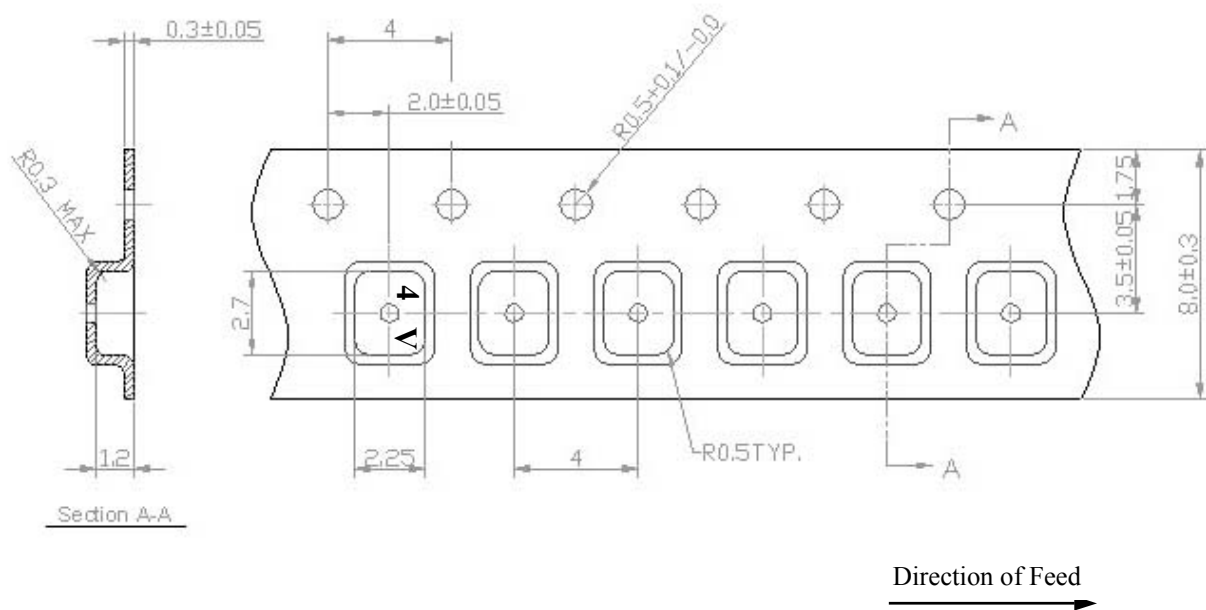
G. PACKING:

1. REEL DIMENSION

(Reel Count : 7''=2000 ; 13''=10000)



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

