



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, 29, 2008

Product Name: SAW Filter 1575.42 MHz SMD 2.0X1.4 mm

TST Parts No.: TA0816A

Customer Parts No.: _____

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Bob Chau

Approval by: _____ Francis Chen

Date: _____ 2, 29, 2008



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SAW Filter 1575.42MHz

MODEL NO.:TA0816A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -30°C to +80°C
4. Storage Temperature: -50°C to +95°C

RoHS Compliant
Lead free
Lead-free soldering

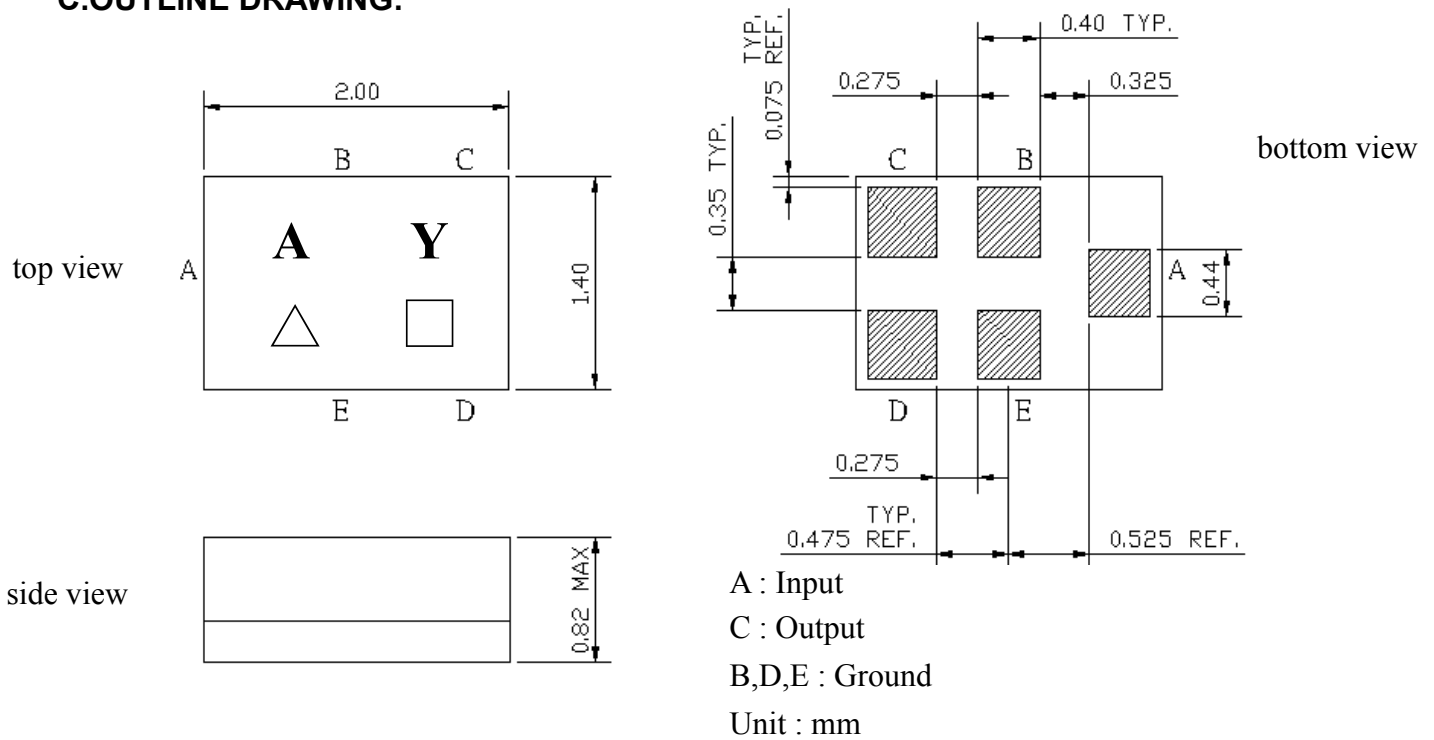
B. ELECTRICAL CHARACTERISTICS:

Terminating source impedance : $Z_s = 50 \Omega$

Terminating load impedance : $Z_L = 50 \Omega$

Item	Unit	Min.	Type.	Max.	Note
Center Frequency Fc	MHz	-	1575.42	-	-
Max. Insertion Loss (1574.42~1576.42 MHz) IL	dB	-	1.2	1.8	-
Amplitude ripple (1574.42~1576.42 MHz)	dB	-	0.1	0.7	-
VSWR (1574.42~1576.42 MHz)		-	1.3	1.9	-
Attenuation					
100~960 MHz	dB	27	29	-	-
960~1460 MHz	dB	27	30	-	-
1460~1513 MHz	dB	22	26	-	-
1648~1710 MHz	dB	22	27	-	-
1710~1990 MHz	dB	27	29	-	-
1990~2300 MHz	dB	30	33	-	-
2300~3000 MHz	dB	28	36	-	-

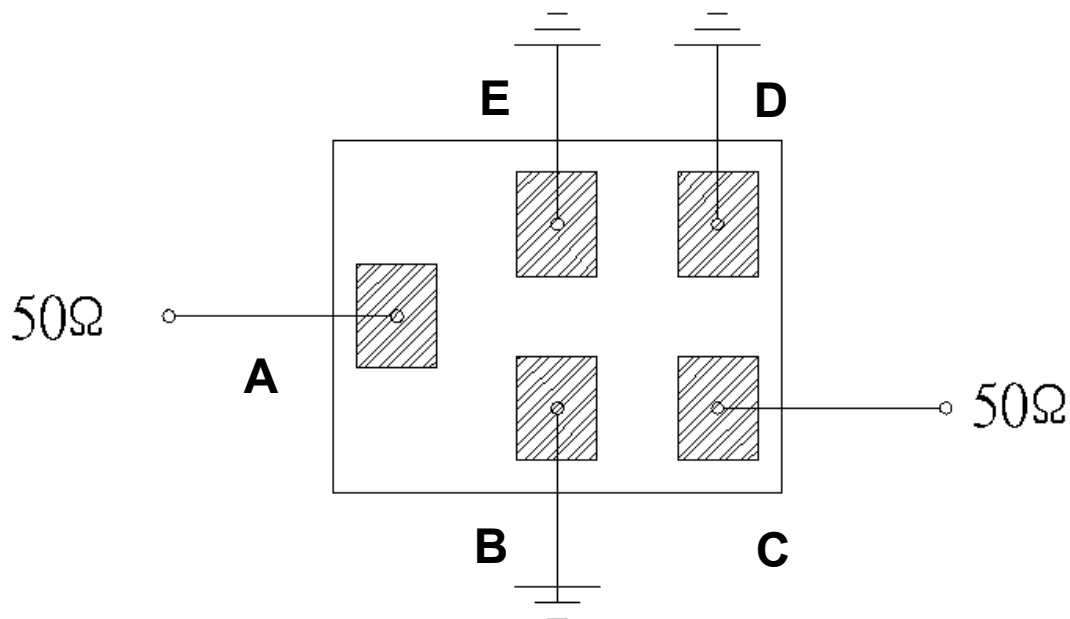
C.OUTLINE DRAWING:



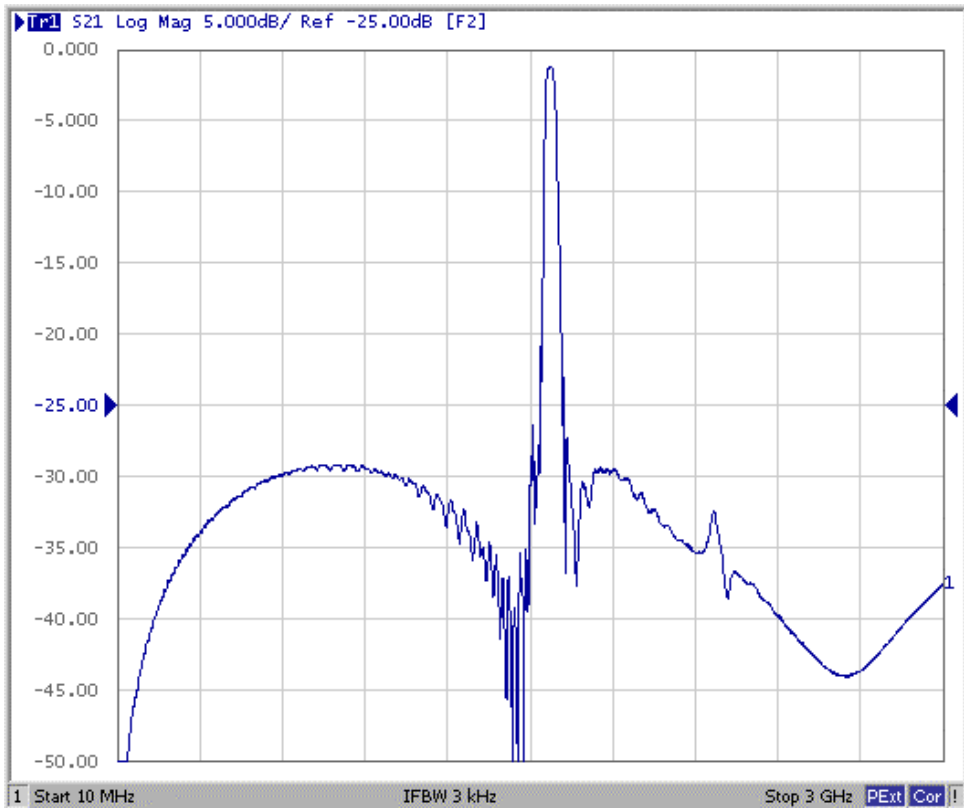
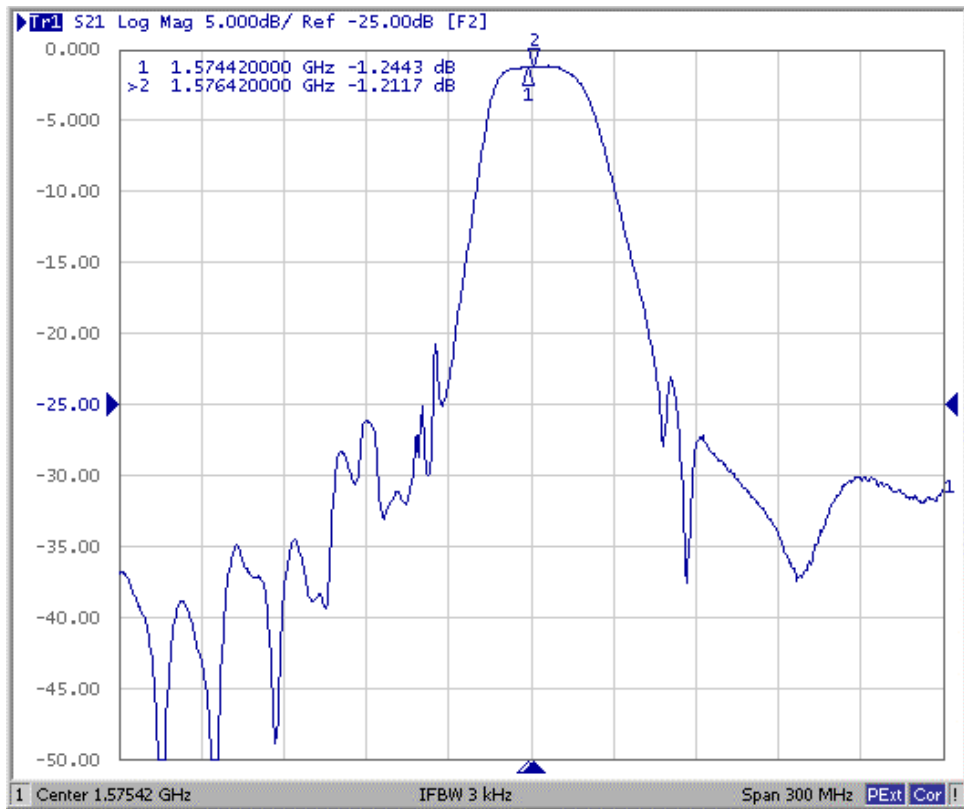
△ : Year Code (2006->6, ..., 2009->9)

□ : Date Code (Follow the table from planner each year)

D. MEASUREMENT CIRCUIT:

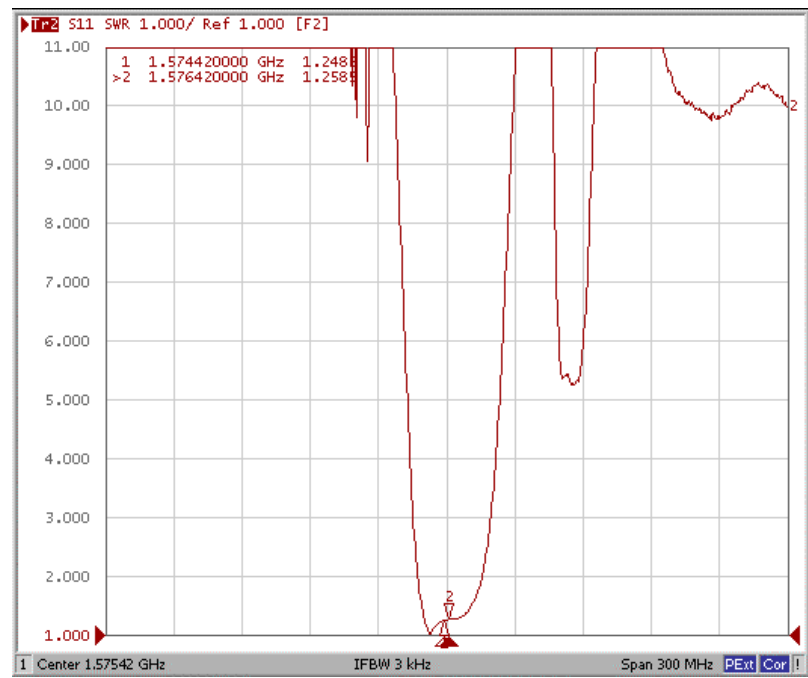


E. Frequency Characteristics :

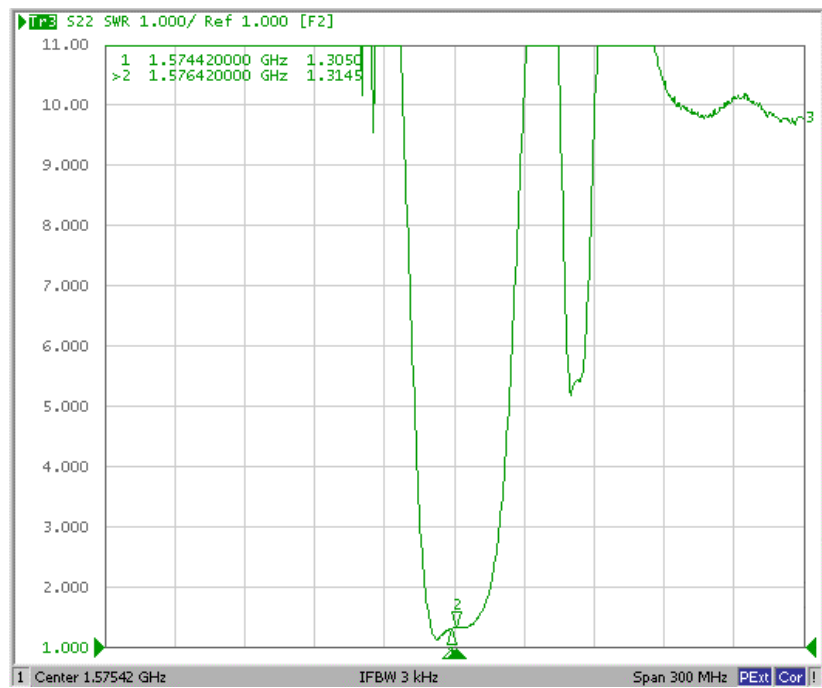


Reflection Functions :

S11



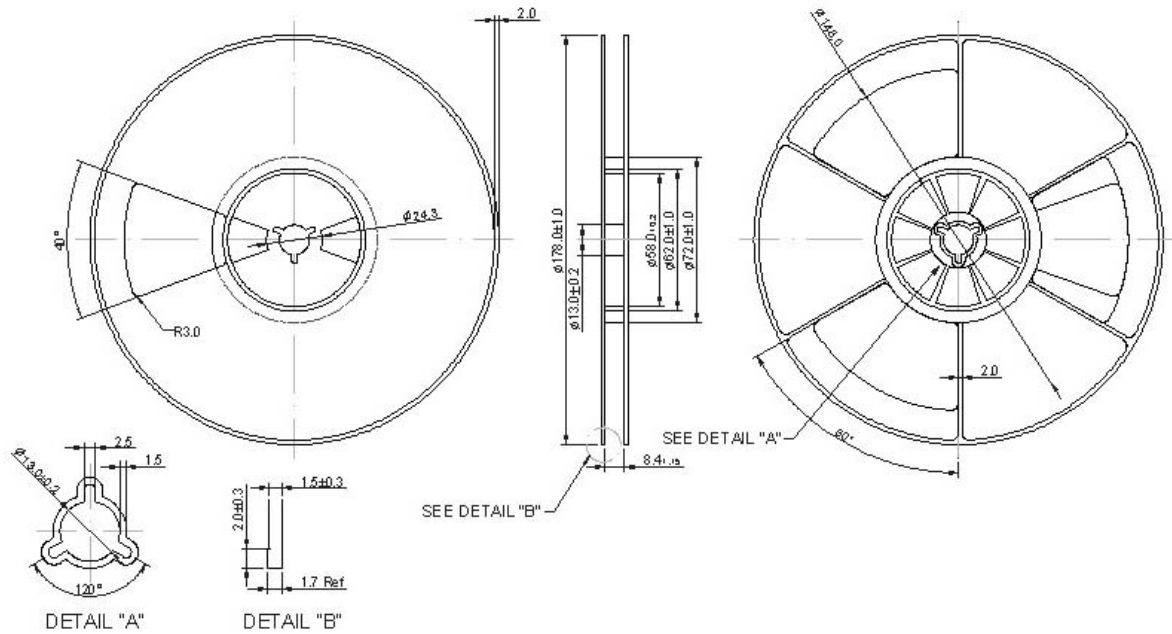
S22



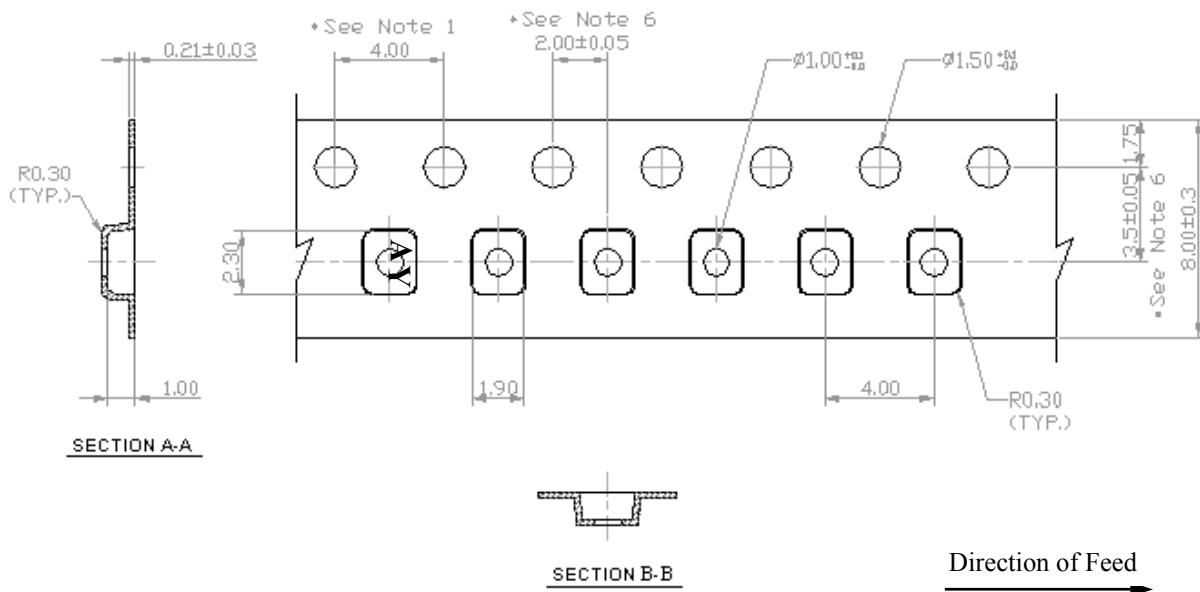
F. PACKING:

1. REEL DIMENSION

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



2. TAPE DIMENSION



G. RECOMMENDED REFLOW PROFILE :

