



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:

Product Name: SAW Filter 836.5MHz SMD 2.5x2.0mm

TST Parts No.:TA0183A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____Elvis Chiu

Approval by:_____Francis Chen

Date:_____2004/06/09



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SAW Filter 836.5 MHz

MODEL NO.: TA0183A

REV. NO.:4

A. MAXIMUM RATING:

1. Input Power Level: 15 dB_m
2. DC voltage: +5 V
3. Operating Temperature: -25°C to +80°C
4. Storage Temperature: -40°C to +85°C

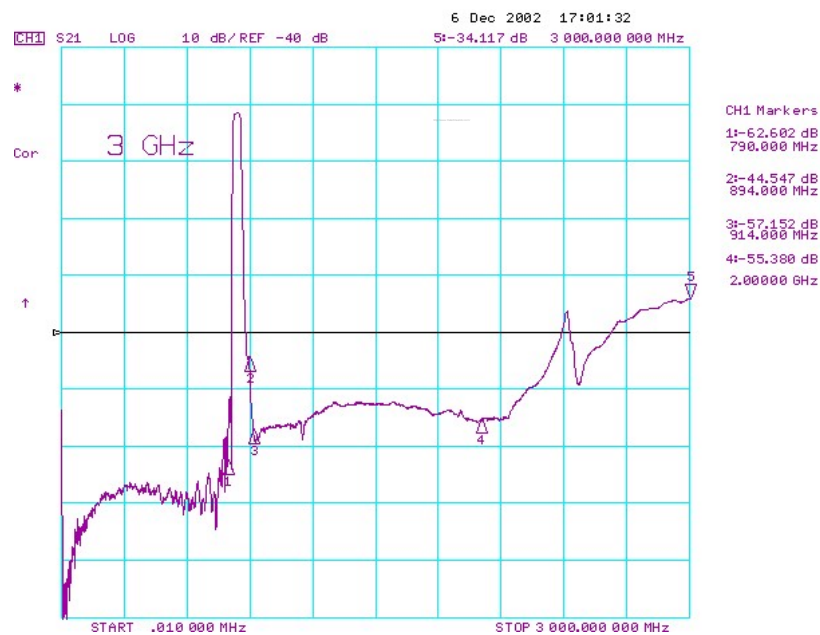
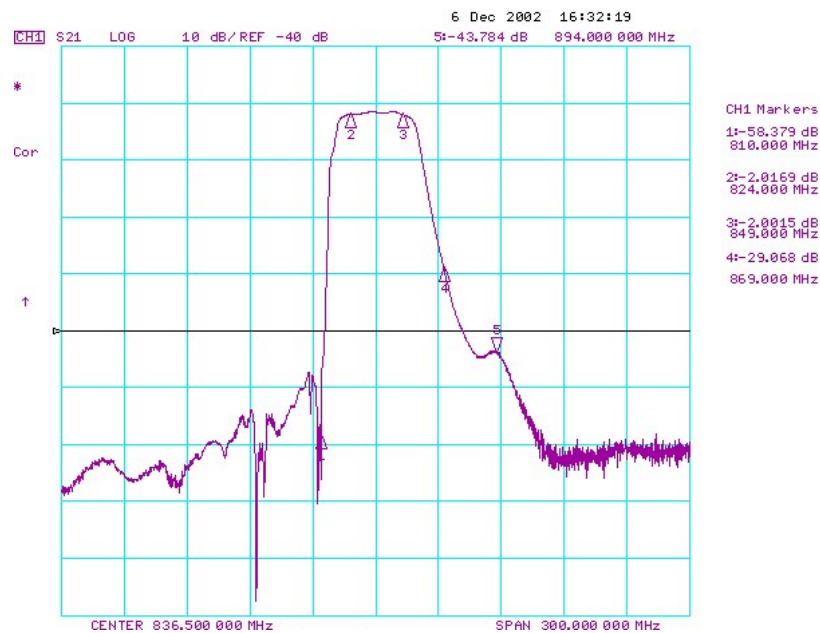
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

Item				Min.	Typ.	Max.
Center frequency		Fc	MHz	-	836.5	-
Insertion loss	824 ~ 849 MHz	IL	(dB)	-	2.1	2.8
Amplitude ripple	824 ~ 849 MHz		(dB)	-	0.6	1.3
Return loss	824 ~ 849 MHz			9.0	12.0	-
Attenuation (Reference level from 0 dB)						
	D.C. ~ 790 MHz		(dB)	45	55	-
	790 ~ 810 MHz		(dB)	22	46	-
	869 ~ 894 MHz		(dB)	20	29	-
	894 ~ 914 MHz		(dB)	33	43	-
	914 ~ 2000 MHz		(dB)	40	51	-
	2000 ~ 3000 MHz		(dB)	27	34	-
Rx band suppression	869 ~ 894 MHz		(dB)	20	29	-
Source impedance		Z_s	(Ω)	-	50	-
Load impedance		Z_L	(Ω)	-	50	-

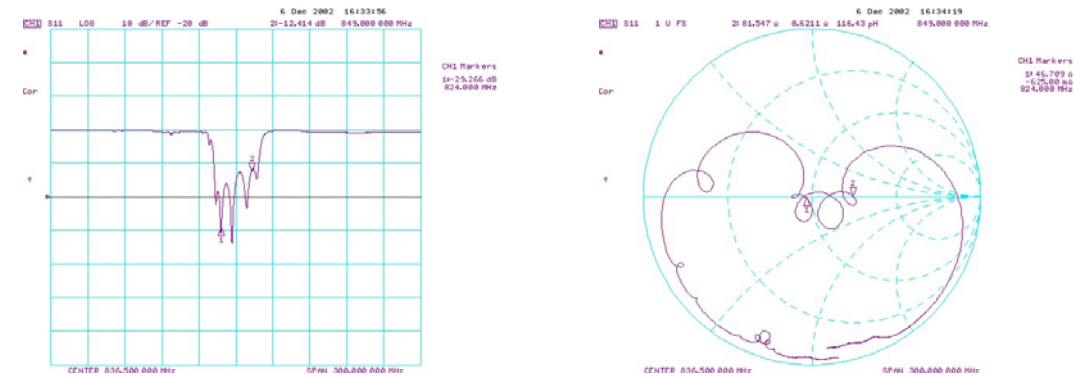
Note1. No matching network required for operation at 50(

C. Frequency Characteristics :

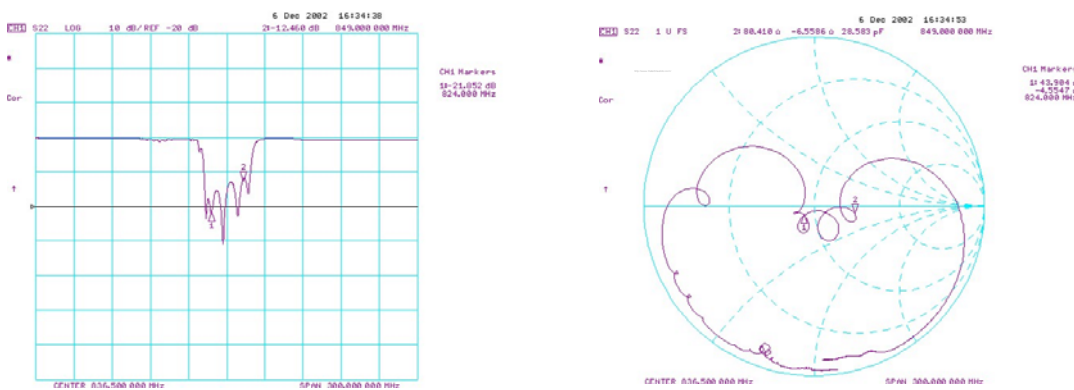


D.Reflections Functions :

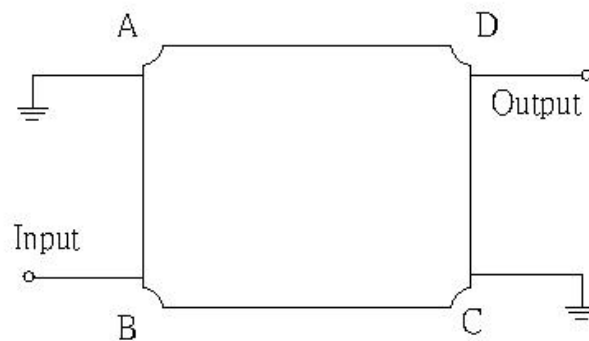
S11:



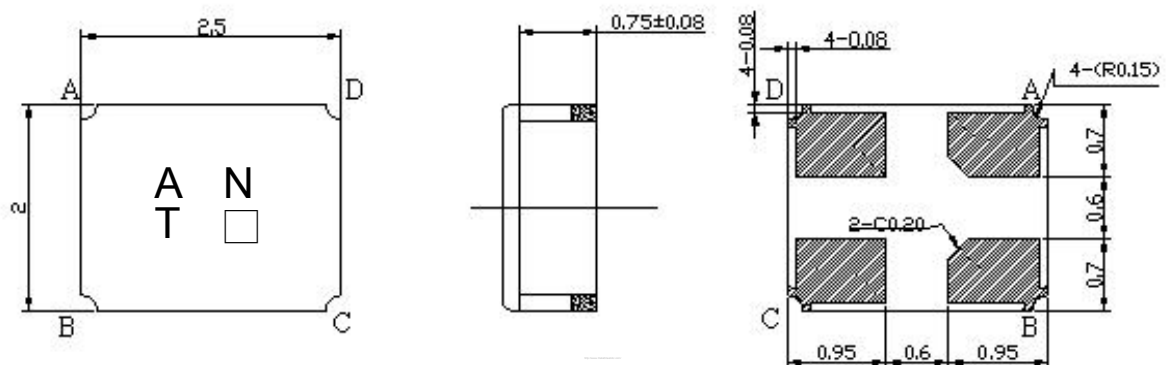
S22:



E. MEASUREMENT CIRCUIT:



F.OUTLINE DRAWING:



B : Input

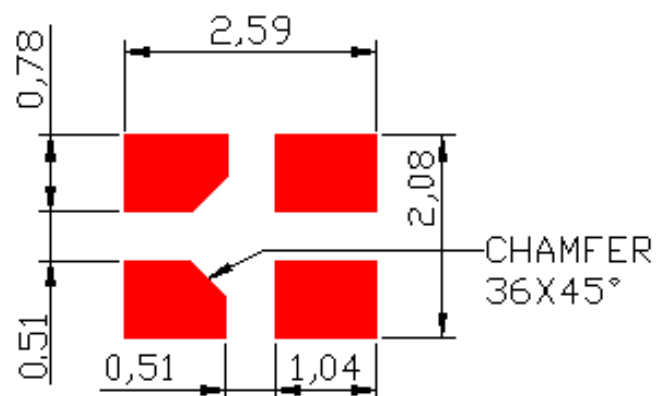
D : Output

A, C : Ground

□ : Date Code

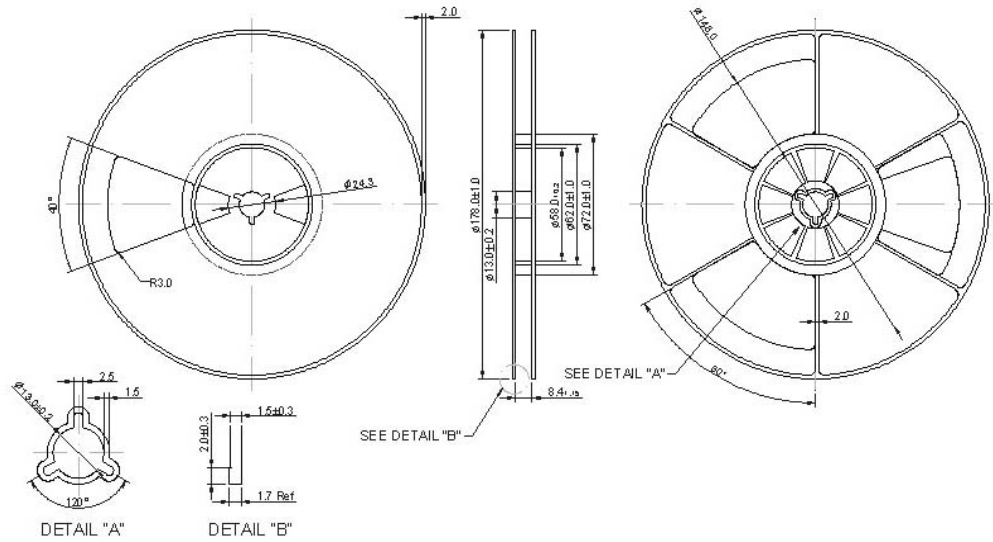
Unit : mm

G. PCB FOOTPRINT:



H. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

