



TAI-SAW TECHNOLOGY CO., LTD.

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Approval Sheet For Product Specification

Issued Date:

Product Name: SAW IF Filter 38.912MHz

TST Parts No.: TB0275A (package 11.3mm x 5.1 mm)

Customer Parts No.: _____

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Andy Lee

Approval by: _____ Francis Chen

Date: _____ 12/2 /2004



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SAW Filter 38.912MHz (SMD 11.3×5.1 mm)

MODEL NO.: TB0275A

Rev. No. 1

A. MAXIMUM RATING:

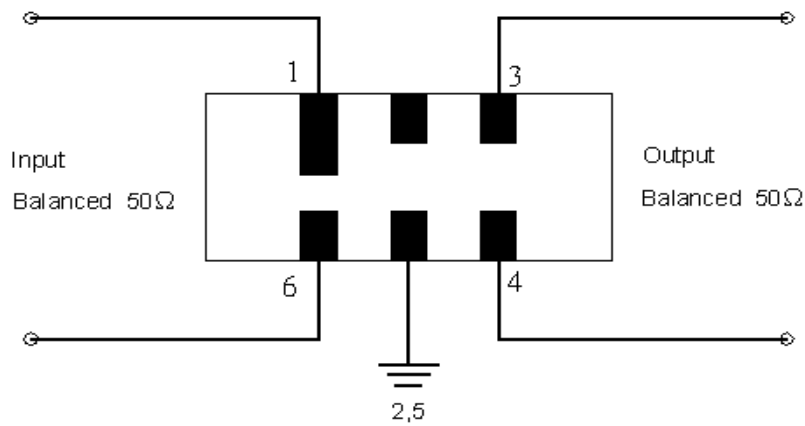
1. Input Power Level: 10 dBm
2. Operate Temperature: -30°C to 80°C
3. Storage Temperature: -40°C to 85°C

RoHS Compliant
Lead free
Lead-free soldering

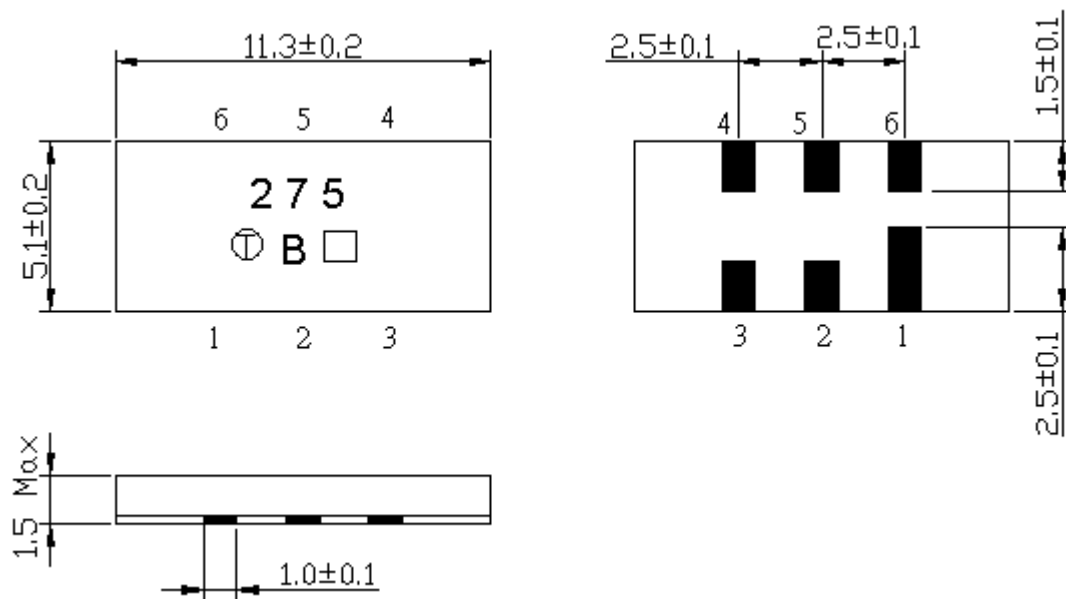
B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	TST	Max.
Center frequency, F_c	MHz	-	38.912	-
Insertion Loss at F _c , IL	dB	-	23.2	25
3 dB Bandwidth	MHz	1.5	1.57	-
30 dB Bandwidth	MHz	-	2.61	2.8
Group Delay Ripple	nS	-	90	200
Absolute Delay at F _c	μS	-	1.45	-
Source Impedance (single ended)	Ω	-	50	-
Load Impedance (single ended)	Ω	-	50	-
Attenuation:(Reference level from Min IL)				
30.00~36.26MHz	dB	35	38	-
36.26MHz~37.30MHz	dB	33	36	-
40.60MHz~41.40MHz	dB	38	41	-
41.40MHz~50.00MHz	dB	38	40	-

C. TEST Circuit:



D. OUTLINE DRAWING:



- Pin 1 : Balanced input return
- Pin 6 : Balanced input
- Pin 3 : Balanced output
- Pin 4 : Balanced output return
- Pin 2,5 : To be Ground

□ : date code

Unit : mm

E. FREQUENCY CHARACTERISTICS:

(1) wide band of Response:

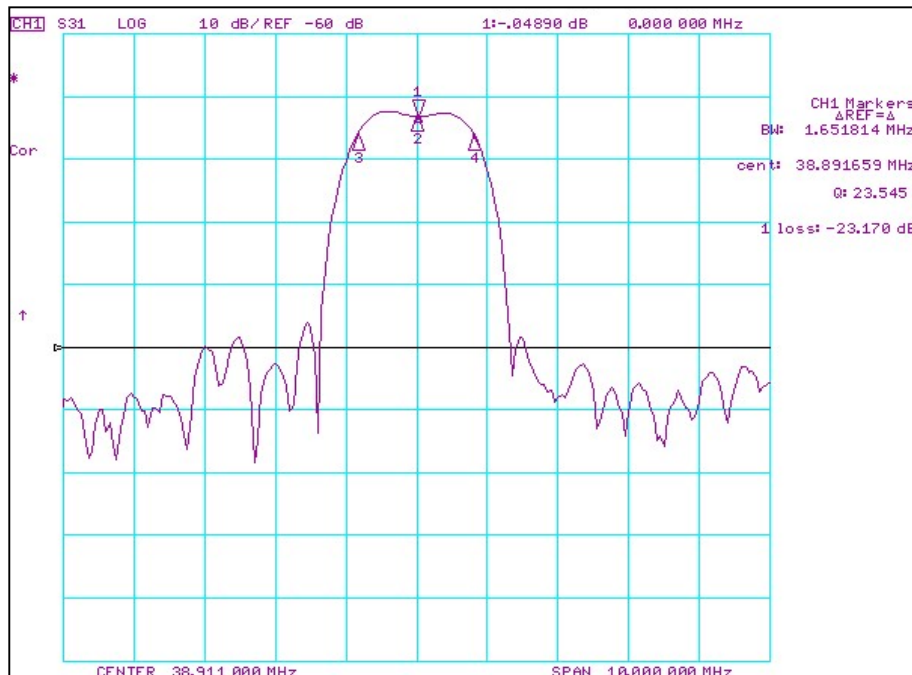


Fig-1 S21 Response Horizontal: 1MHz/Div Vertical: 10dB/Div

(2) Passband of Response:

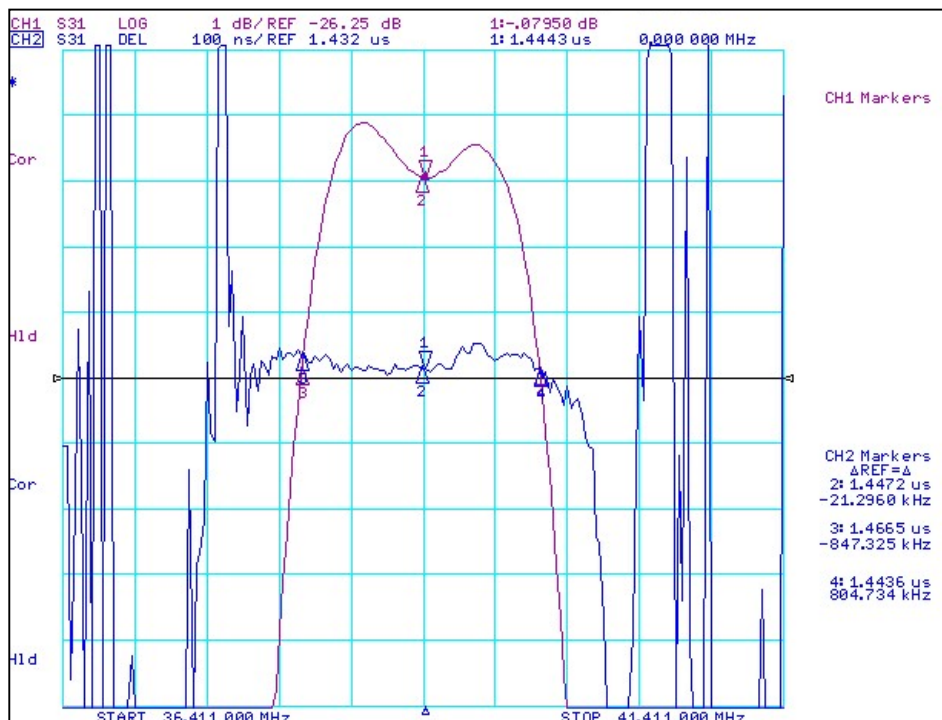


Fig-2 S21 Response Horizontal: 0.5MHz/Div Vertical: 1dB/Div
100ns/Div