



# TAI-SAW TECHNOLOGY CO., LTD.

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## Approval Sheet for Product Specification

Issued Date:

Product Name: 70MHz IF SAW Filter (BW=1.4 MHz)

TST Parts No.: TB0228A

Customer Parts No.: \_\_\_\_\_

Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: \_\_\_\_\_ Vincent-WT Chiu

Approval by: \_\_\_\_\_ Francis Chen

Date: \_\_\_\_\_ 19 Jan. 2004



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70 MHz IF SAW Filter (SMD 19×6.5 mm)

Model No.: TB0228A

Rev. No.:2

## A. Maximum Rating:

RoHS Compliant  
Lead free  
Lead-free soldering

1. Input Power Level: +20 dB<sub>m</sub>
2. Operating Temperature: -10°C to +70°C
3. Storage Temperature: -40°C to +85°C

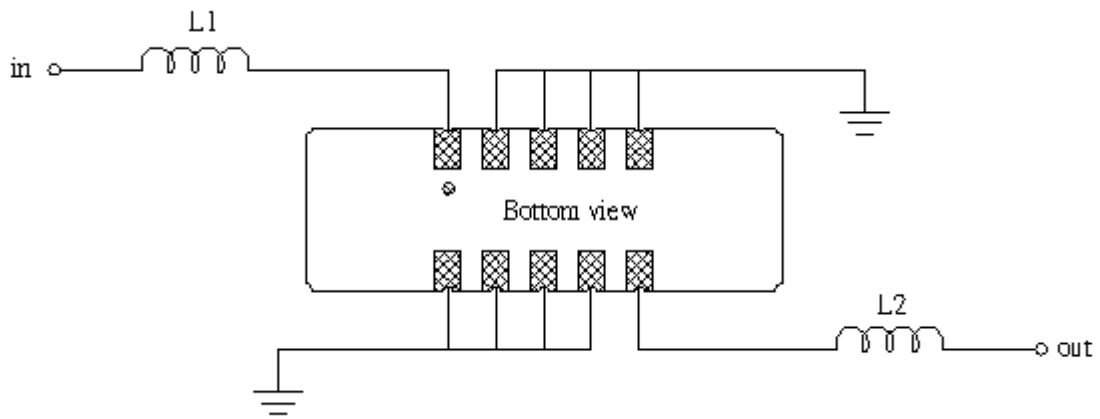
## B. Electrical Characteristics:

Parameters	Unit	Min.	Typical	Max.
Center frequency, Fc	MHz	69.97	70	70.03
Insertion Loss, IL	dB	-	20.0	22.0
1 dB Bandwidth	MHz	1.25	1.30	-
3 dB Bandwidth	MHz	1.4	1.5	-
40 dB Bandwidth	MHz	-	2.35	2.66
Relative Attenuation:				
10 to 68.3 MHz	dB	40	45	-
71.7 to 140 MHz	dB	40	45	-
Amplitude ripple within Fc ± 0.5 MHz	dB	-	0.8	1.0
Phase Linearity within Fc ± 0.5 MHz	°rms	-	1.54	2.00
Absolute Delay	usec	-	2.6	-
Substrate Material	-	-	Quartz	-



**D. Measurement Circuit:**

Source and load impedance:  $50 \Omega$



$L1=470 \text{ nH}$ ,  $L2=470 \text{ nH}$

**E. Outline Drawing:**

