



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Tao-Yuan, 324, Taiwan, R.O.C.

TEL: 886-3-4690038 FAX: 886-3-4697532

E-mail: ttsales@mail.taisaw.com Web: www.taisaw.com

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

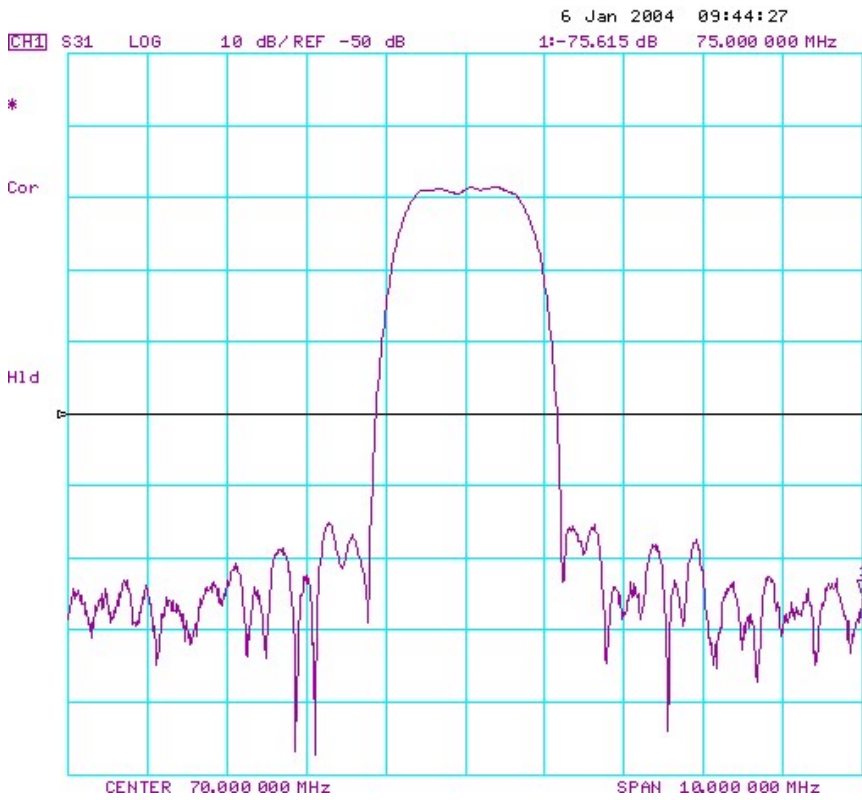
1. Input Power Level: +20 dB_m
2. Operating Temperature: -10°C to +70°C
3. Storage Temperature: -40°C to +85°C

B. Electrical Characteristics:

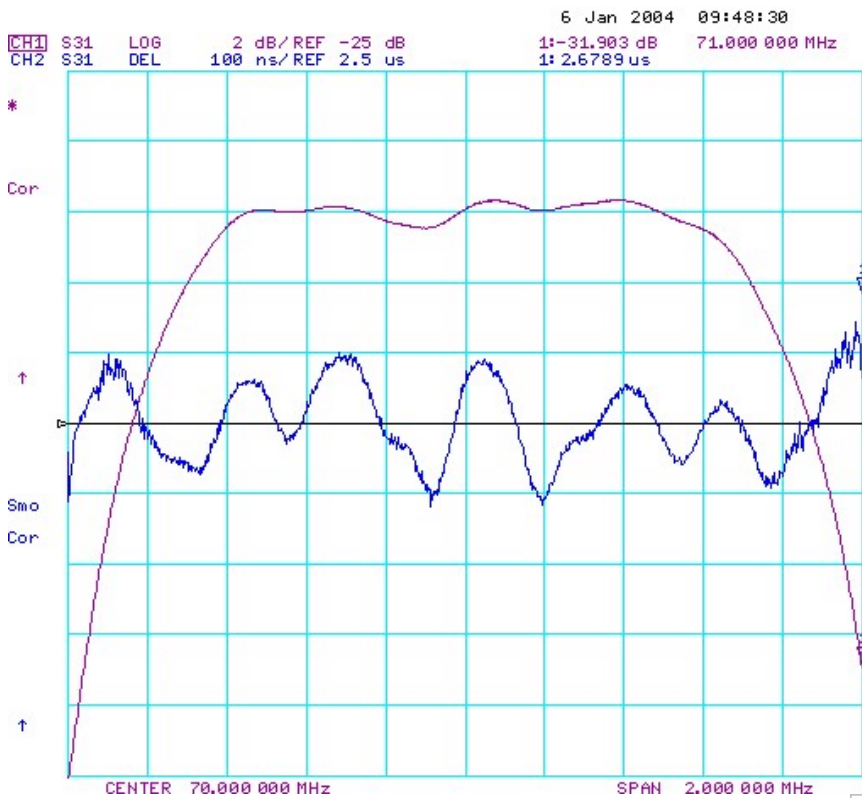
Parameters	Unit	Min.	Typical	Max.
Center frequency, F_c	MHz	69.97	70	70.03
Insertion Loss, IL	dB	-	20.0	22.0
1 dB Bandwidth	MHz	1.25	1.30	-
3 dB Bandwidth	MHz	1.4	1.5	-
40 dB Bandwidth	MHz	-	2.35	2.66
Relative Attenuation:				
10 to 68.3 MHz	dB	40	45	-
71.7 to 140 MHz	dB	40	45	-
Amplitude ripple within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

C. Frequency Characteristics:

(1) Frequency Response

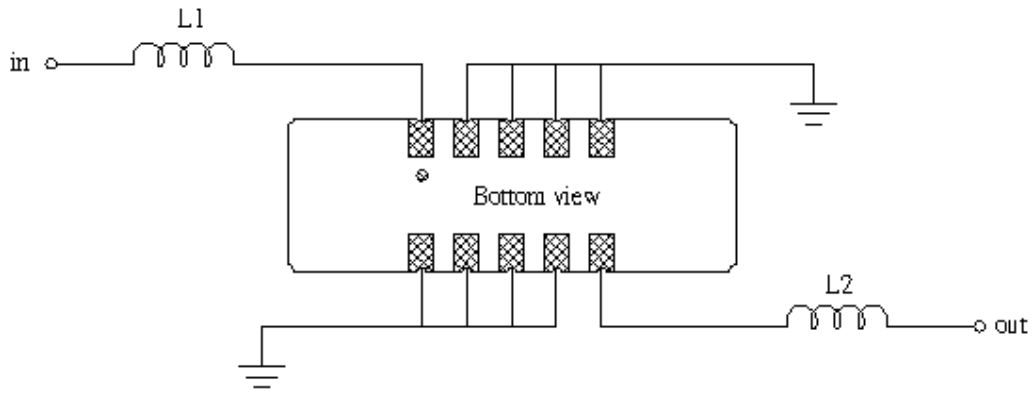


(2) Passband response and Group Delay Variation



D. Measurement Circuit:

Source and load impedance: 50Ω



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

E. Outline Drawing:

