



TAI-SAW TECHNOLOGY CO., LTD.

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Approval Sheet For Product Specification

Issued Date: 10, 20, 2005

Product Name: SAW Filter 70 MHz SMD 19x6.5 mm

TST Parts No.: TB0278A Rev.1

Customer Parts No.: _____

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Andy Lee

Approval by: _____ Francis Chen

Date: _____ 10, 20, 2005



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IF SAW Filter 70MHz SMD 19.0X6.5mm

MODEL NO.: TB0278A

REV. NO 1

A. MAXIMUM RATING:

1. Operating Temperature: -0 °C ~ 70 °C
2. Storage Temperature: -40 °C ~ +85 °C

RoHS Compliant
Lead free
Lead-free soldering

B. Characteristics :

1. Ambient Temperature: 25 °C

Characteristics	Value			Note
	Min.	Typ.	Max.	
Center frequency F_c MHz	-	70	-	-
Minimum Insertion loss I.L. dB	-	15	21.25	-
Lower 1 dB Bandedge MHz	-	68.54	68.90	-
Upper 1 dB Bandedge MHz	71.10	71.51	-	-
Lower 3 dB Bandedge MHz		68.39	68.75	
Upper 3 dB Bandedge MHz	71.25	71.60		
Lower 40 dB Bandedge MHz	67.52	67.79		
Upper 40 dB Bandedge MHz		72.79	74	
Passband Ripple (68.9~71.1MHz) dB	-	0.45	1	-
Group Delay Ripple (68.9~71.1MHz) nsec	-	130	200	-
Phase linearity (68.9~71.1MHz) deg	-	7	15	-
Attenuation:(Reference level from minimum insertion loss)				dB
1) 10 MHz....67.5 MHz dB	40	47	-	-
2) 72.5 MHz ~ 125 MHz dB	25	32	-	-
3) 125 MHz ~ 150 MHz dB	18	22	-	-
4) 150 MHz ~ 200 MHz dB	35	42	-	-

C. Frequency Characteristics :

1. S21 Response

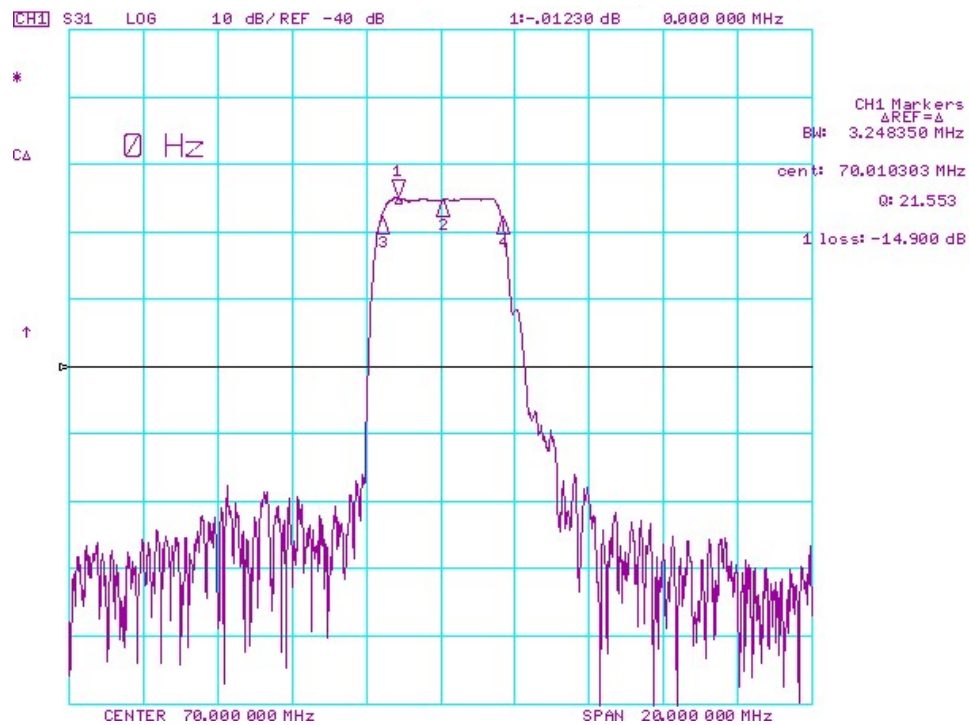


Fig-1 S21 Response Horizontal: 2MHz/Div Vertical: 10dB/Div
 Reference: -40dB

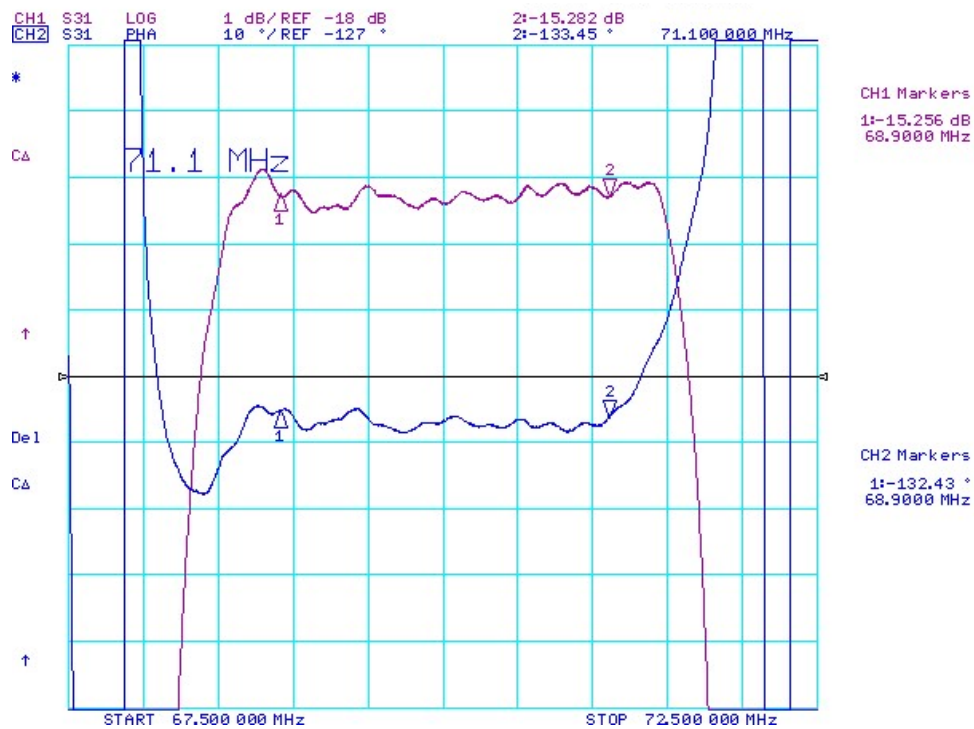
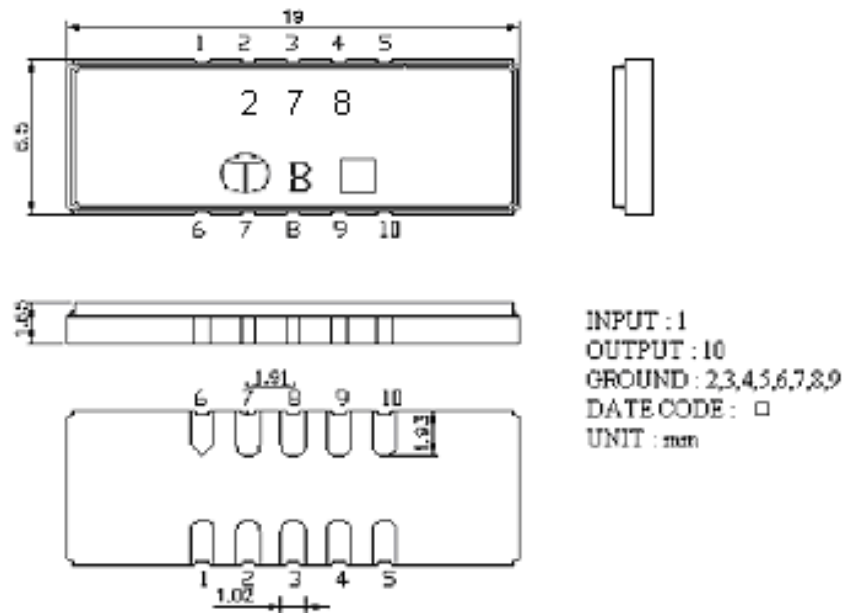
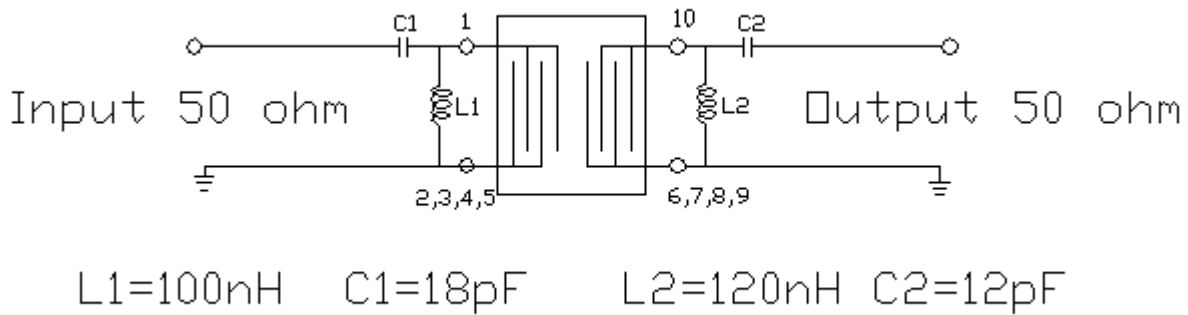


Fig-2 Phase linearity and Ripple, Horizontal: 0.5MHz/Div
 Vertical: 1 dB/Div Vertical: 10deg/Div

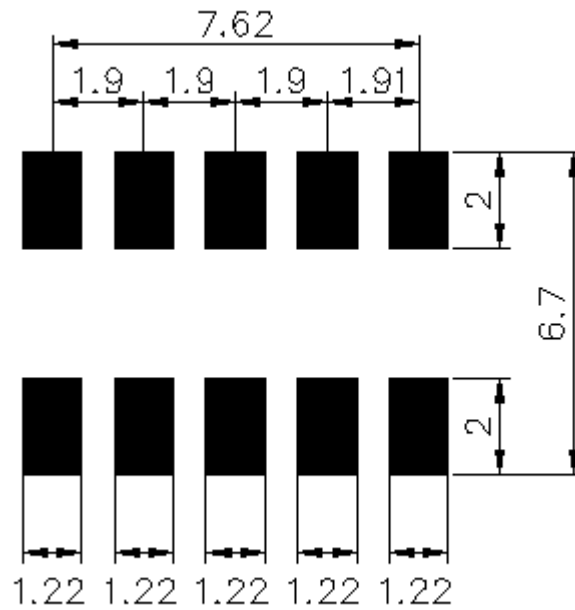
D. Outline Drawing:



C. MEASUREMENT CIRCUIT:



F. PCB FOOTPRINT



G. TAPE DIMENSION

