



TAI-SAW TECHNOLOGY CO., LTD.

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Approval Sheet For Product Specification

Issued Date:

Product Name: SAW Filter 228.1MHz SMD 7.0x5.0mm

TST Parts No.:TB0573A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Andy Lee

Approval by:_____ Francis Chen

Date:_____ 2007/12/28



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SAW Filter 228.1 MHz SMD 7.0mmX5.0mm

MODEL NO.: TB0573A

REV. NO. 1

A. MAXIMUM RATING:

1. Operating Temperature: -40°C to +85°C
2. Storage Temperature: -40°C to +85°C
3. Maximum Input Power : 10dBm

RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

1. Ambient Temperature: 25 °

Item		Min.	Typical	Max.
Center frequency Fc	MHz	-	228.1	-
Insertion loss at Fc	dB	-	10.0	11.0
Bandwidth at -1.0dB	MHz	27.0	29.0	-
Amplitude Ripple (Fc ± 12.5 MHz)	dB	-	0.3	1.0
Group Delay Ripple (Fc ± 12.5 MHz)	nS	-	20	-
Attenuation (Reference level from minimum Insertion loss)				
100 MHz ~204.1 MHz	dB	40	50	-
304.1 MHz ~ 209.5 MHz	dB	25	45	-
247.5 MHz ~ 252.5 MHz	dB	25	36	-
252.5 MHz ~ 350 MHz	dB	38	42	-
Temp Coefficient	ppm/°C	-	-93	-

C. FREQUENCY CHARACTERISTICS :

1.S21 Response

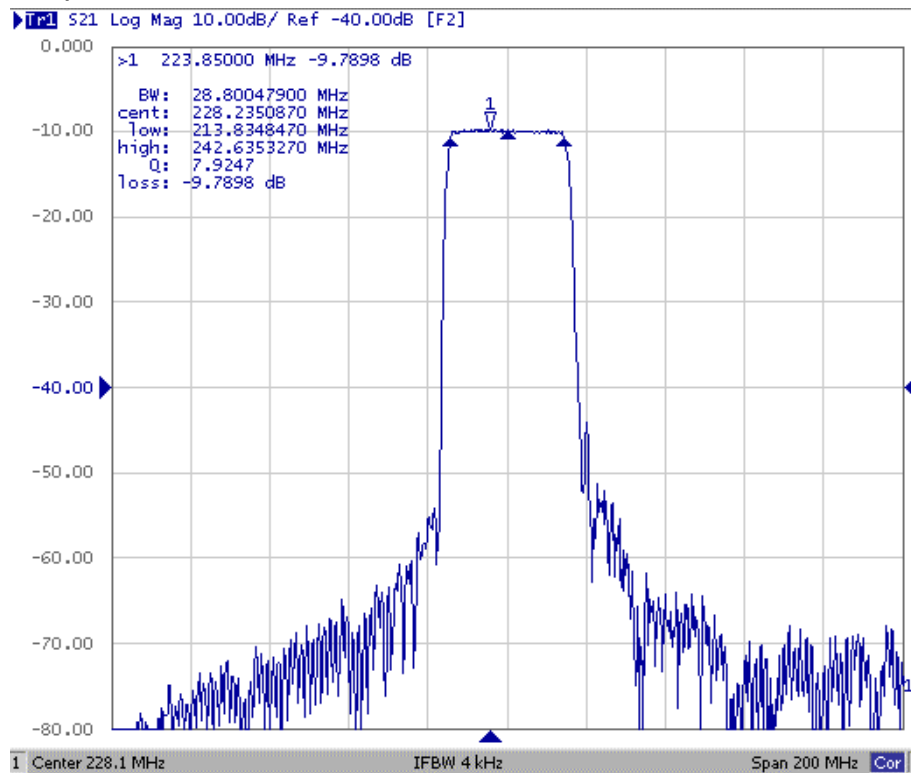


Fig1. Horizontal: 20MHz/Div Vertical: 10dB/Div

2. Passband Ripple

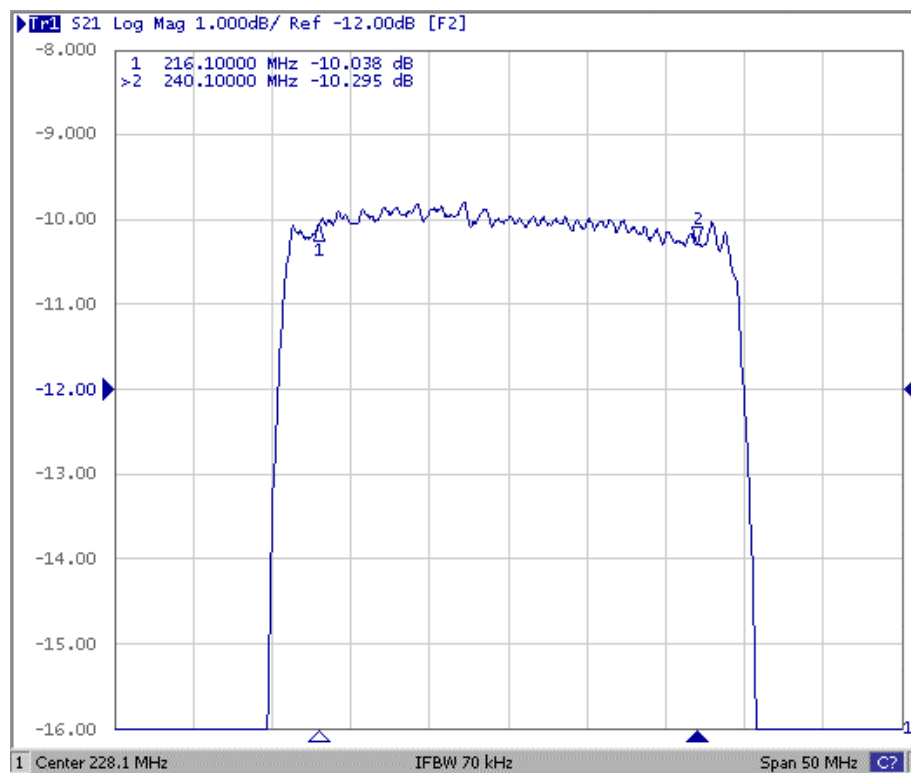


Fig2. Horizontal: 5MHz/Div Vertical: 1dB/Div

3. Group Delay Ripple

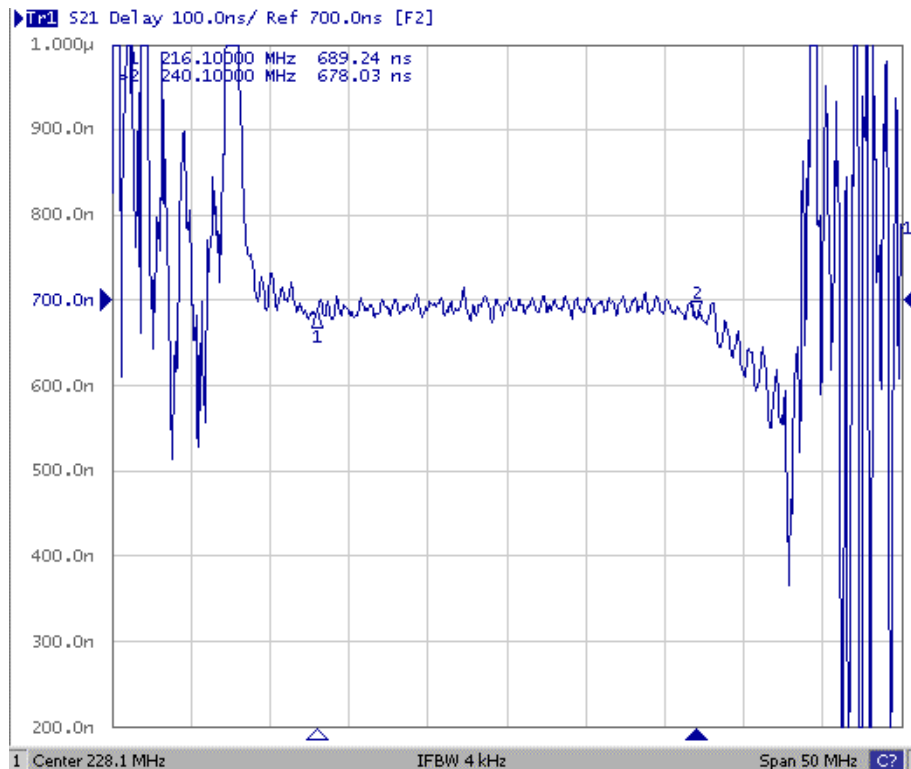
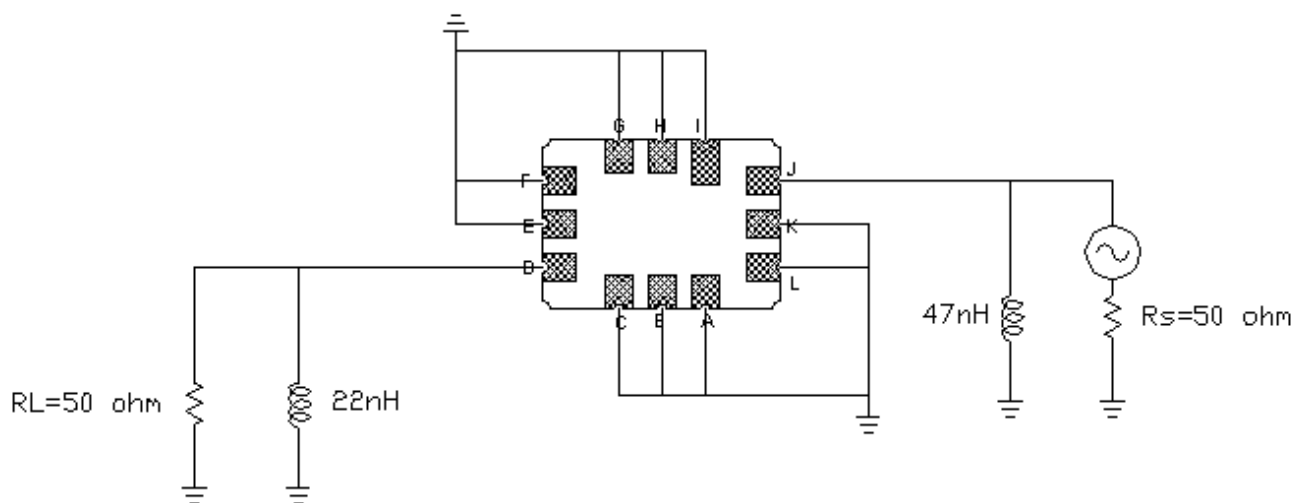


Fig3. Horizontal: 5MHz/Div Vertical: 100nS/Div

D. MEASUREMENT CIRCUIT

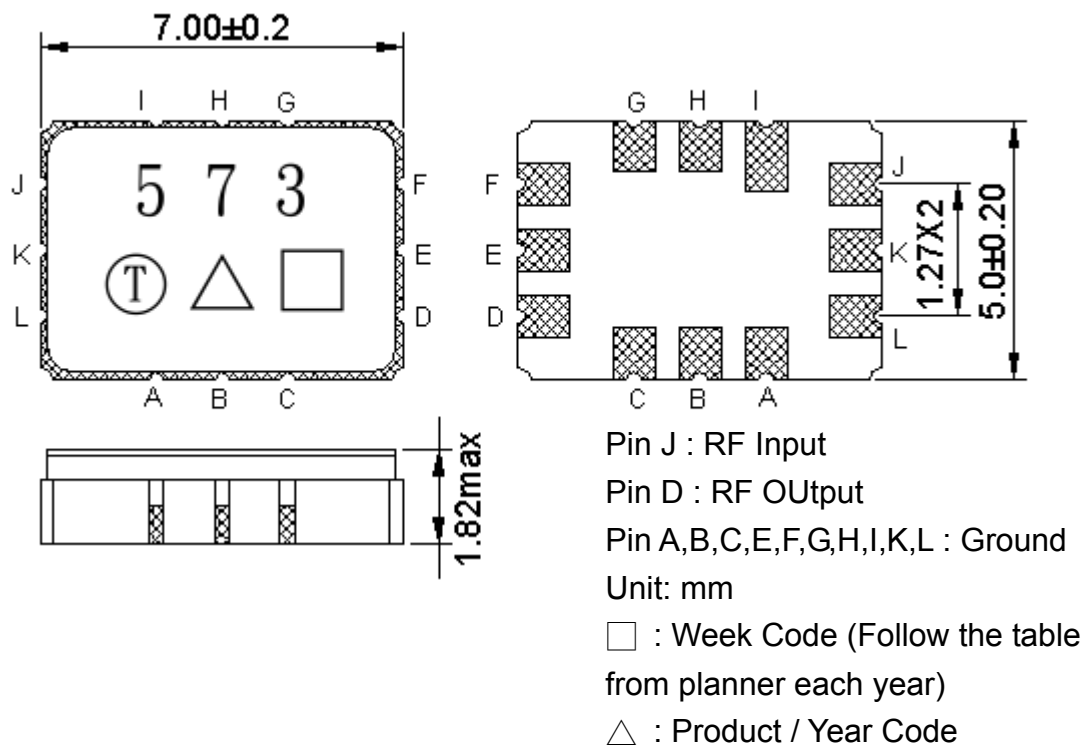
1. Single ended input 50 ohm to Single ended Output 50 ohm

:



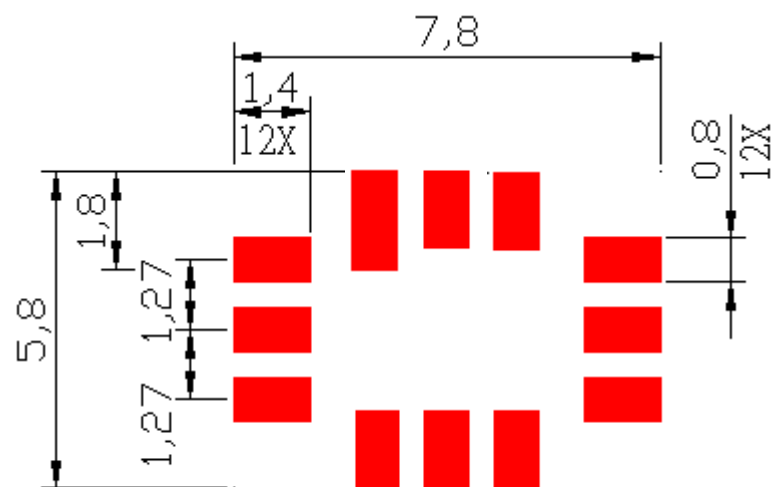
Note: The matching structure will change according to different test fixture.

E.OUTLINE DRAWING:



Year	2005 2009	2006 2010	2007 2011	2008 2012
Product Code	B	b	<u>B</u>	<u>b</u>

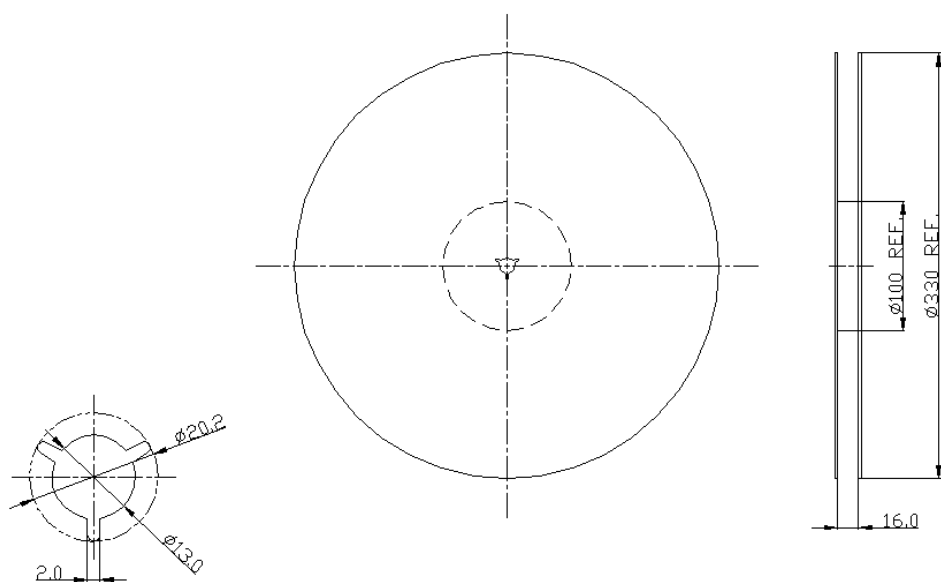
F. PCB Footprint



Unit: mm

G. PACKING:

1. REEL DIMENSION



Unit: mm

H. RECOMMENDED REFLOW PROFILE:

