



TAI-SAW TECHNOLOGY CO., LTD.

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Approval Sheet For Product Specification

Issued Date:

Product Name: IF SAW Filter 72.96 MHz (SMD 13.3mmX6.5mm)

TST Parts No.:TB0466A

Customer Parts No.:_____

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

Checked by: _____ Andy Lee

Approval by: _____ Francis Chen

Date: _____ 2007/10/29



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IF SAW Filter 72.96MHz SMD13.3X6.5mm

MODEL NO.: TB0466A

REV. No.1

A. MAXIMUM RATING:

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

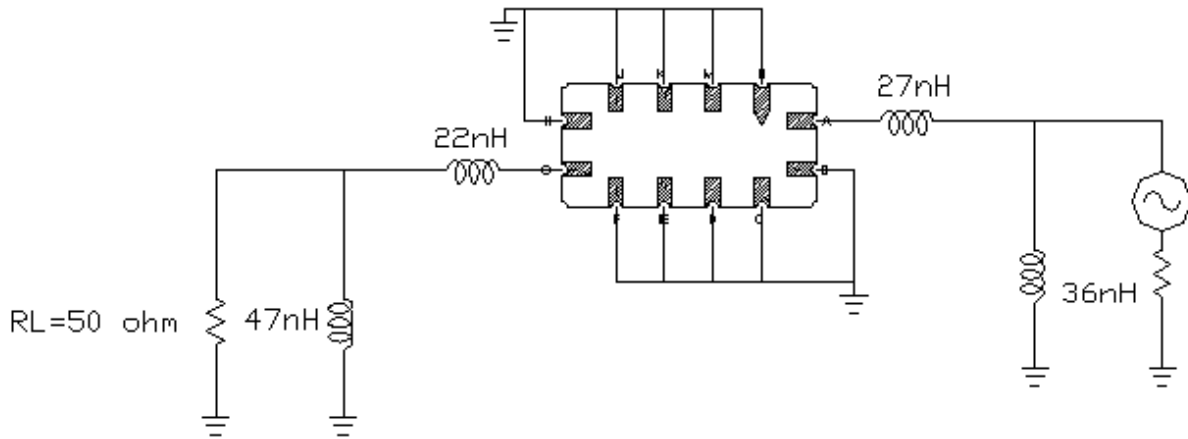
RoHS Compliant
Lead free
Lead-free soldering

B. Characteristics :

1. Ambient Temperature: 25 °C

Characteristics	Value			Note
	Min.	Typ.	Max.	
Center frequency F_C MHz	-	72.96	-	-
Minimum Insertion loss I.L. dB	-	11	14	-
Passband Ripple (69.96~75.96MHz) dB	-	0.5	1.0	-
Group Delay Ripple (69.96~75.96MHz) nsec	-	108	200	-
Group Delay(mean value in PassBand) usec	-	1.1	1.3	-
Input Return Loss (69.96~75.96MHz) dB	12	16	-	-
Output Return Loss (69.96~75.96MHz) dB	8	12	-	-
Attenuation:(Reference level from minimum insertion loss)				dB
1) DC ... 60 MHz dB	40	57	-	-
2) 60MHz ... 67.96 MHz dB	25	37	-	-
3) 82 MHz ... 130 MHz dB	38	42	-	-
Temp Coefficient ppm/° C	-	-23	-	-

C. Test Fixture :



D. Frequency Characteristics :

1. S21 Response

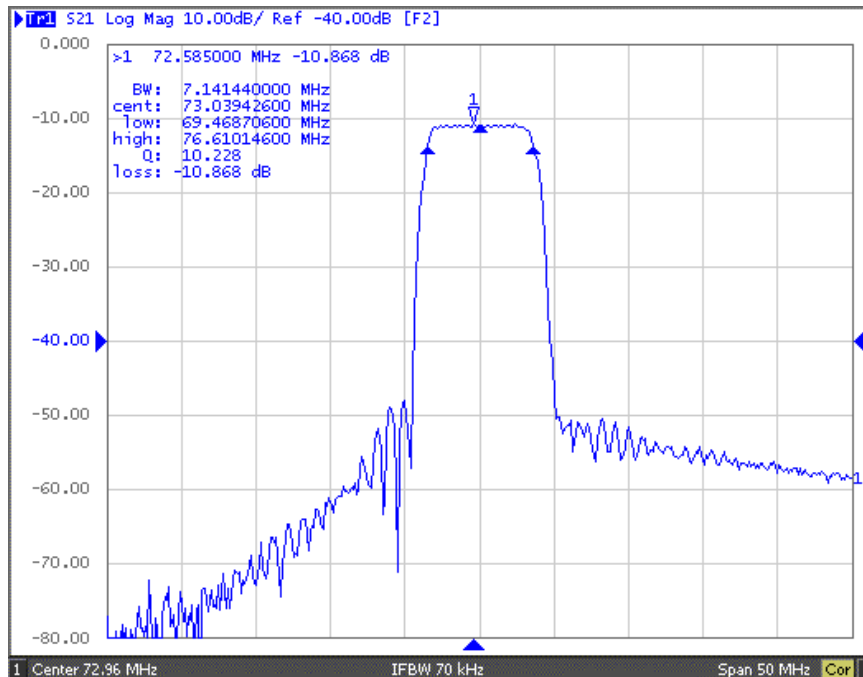


Fig. 1 S21 Response Horizontal: 5MHz; Vertical: 10dB/Div

2. Passband Response

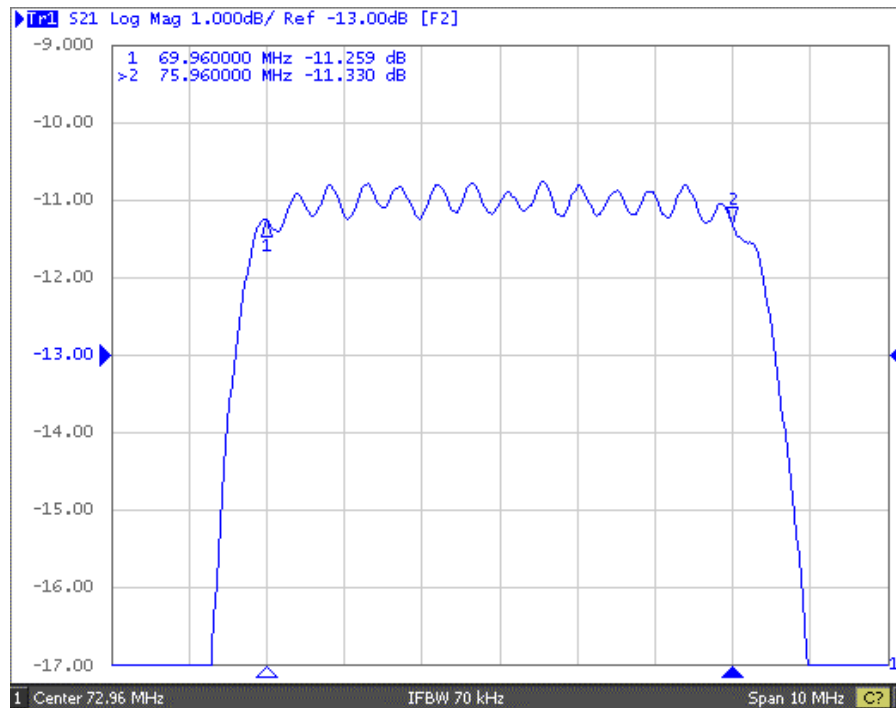


Fig. 2 Passband Horizontal: 1MHz; Vertical: 1dB/Div

3. Group Delay

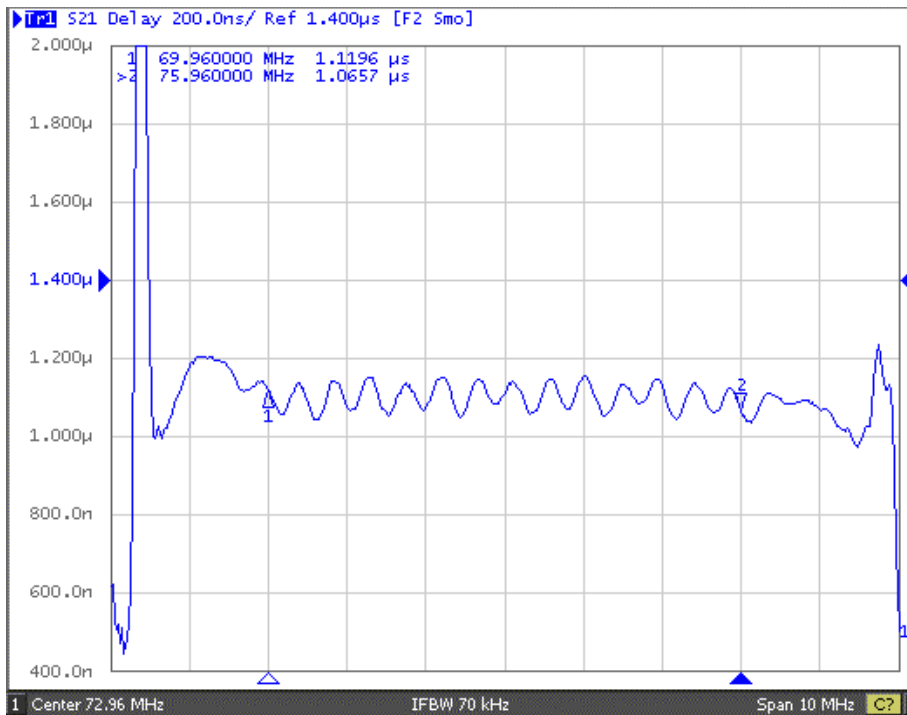
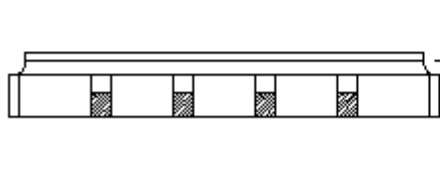
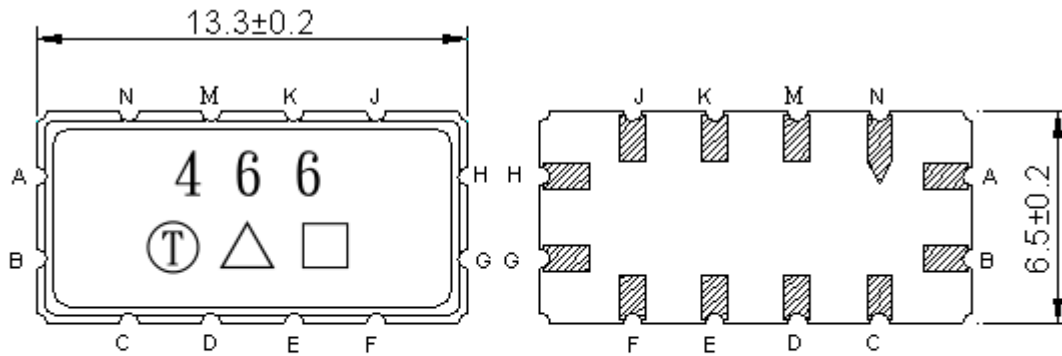


Fig. 2 Group Delay Horizontal: 1MHz; Vertical: 200nS/Div

E. Outline Drawing:

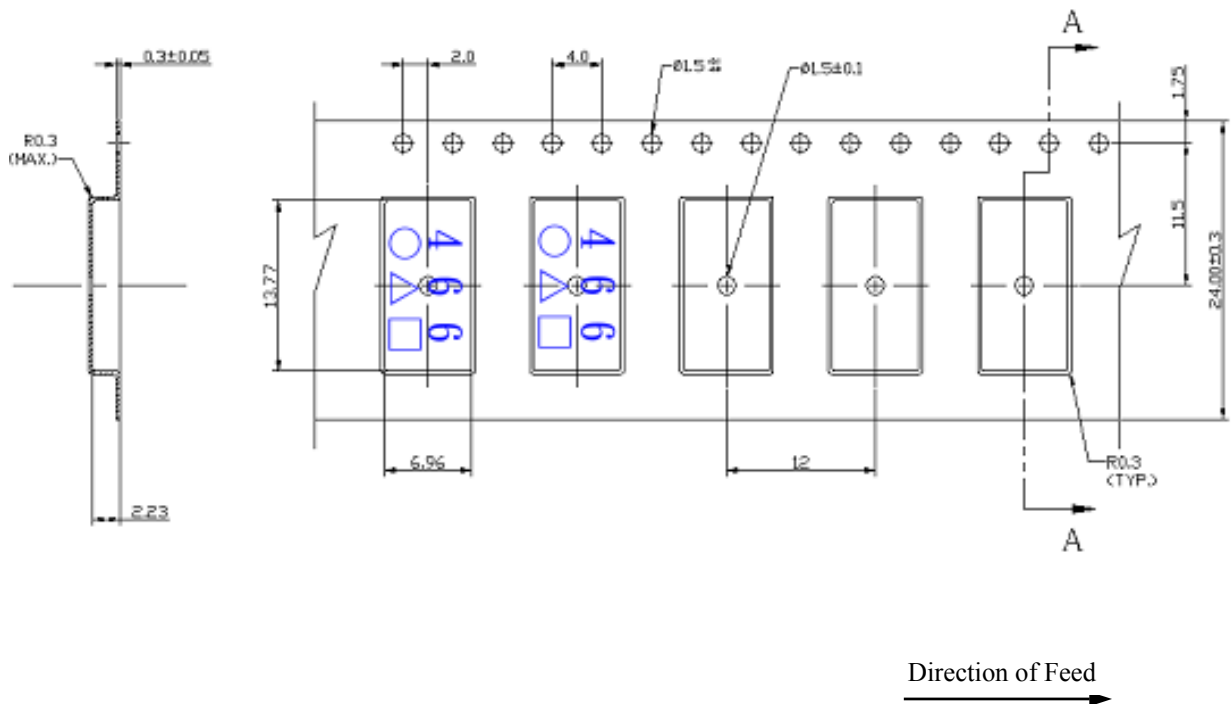


Pin configuration

- #A RF Input
- #B RF Input ground
- #G RF Output
- #H RF Output ground
- #C,D,E,F,J,K,M,N To be ground
- : Week Code (Follow the table from planner each year)
- △ : Product / Year Code

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

3. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

