



TAI-SAW TECHNOLOGY CO., LTD.

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Approval Sheet For Product Specification

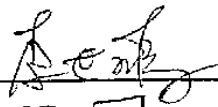
Issued Date:

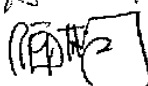
Product Name: SAW IF Filter 81MHz

TST Parts No.: TB0646A

Customer Parts No.: _____

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

Checked by: _____ Kazuma Lee 

Approval by: _____ Francis Chen 

Date: _____ 2008/12/08



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SAW Filter 81MHz 54 MHz BW (SMD 13.3×6.5 mm)

MODEL NO.: TB0646A

REV. NO.1

A. MAXIMUM RATING:

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

RoHS Compliant
Lead free
Lead-free soldering

B. Characteristics :

Item	Unit	Min.	Type.	Max.
Center frequency, Fc	MHz	-	81	-
Insertion Loss 54 to 108 MHz	dB	-	19.7	25
Passband Variation 54 to 108 MHz	MHz	-	1.0	3.0
Relative Attenuation at 42 MHz	dB	10	46	-
Relative Attenuation at 114 MHz	dB	10	40	-
Temp Coefficient	ppm/K	-	-76	-

C. Frequency Characteristics:

Wideband Response:(span 150MHz)

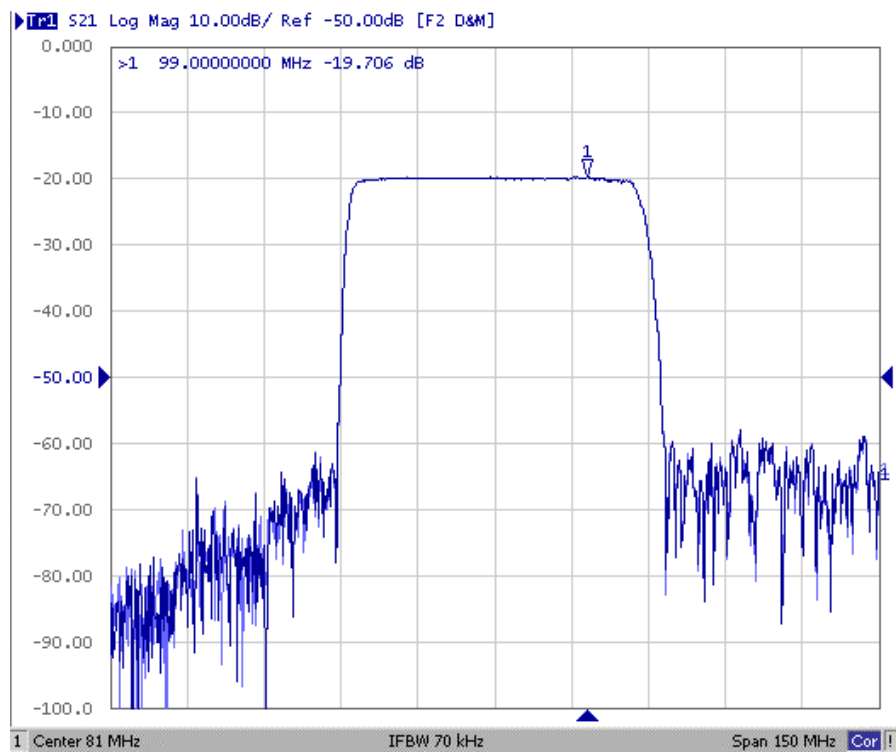


Fig1. Horizontal: 15MHz/Div Vertical: 10dB/Div

Passband Response:(span 60MHz)

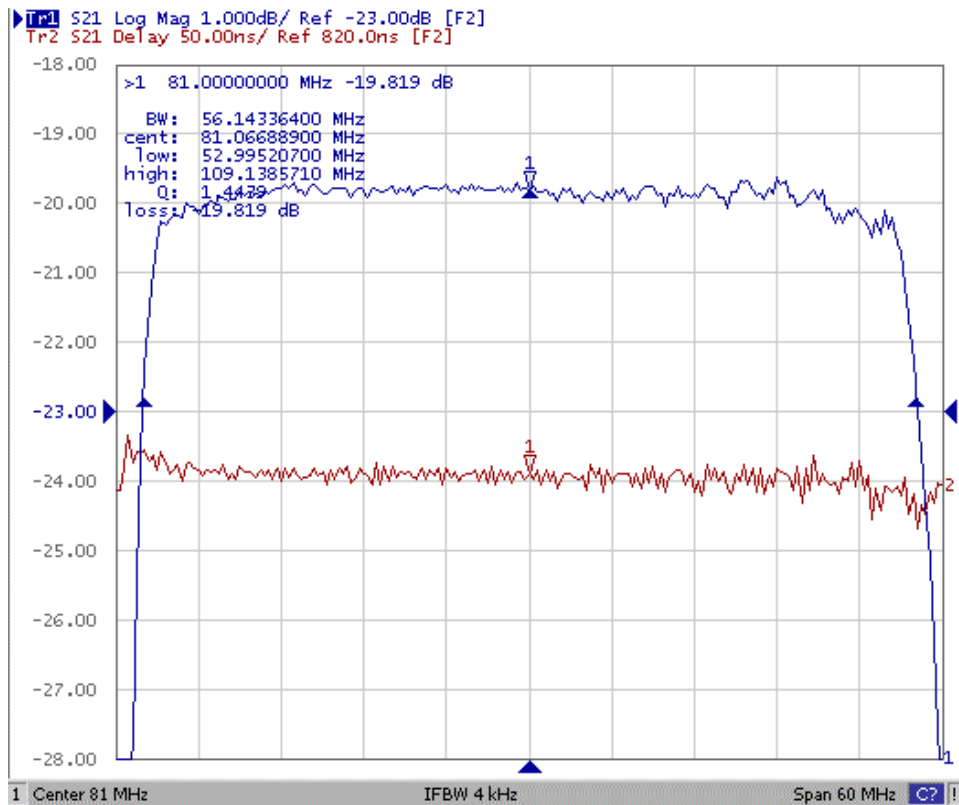
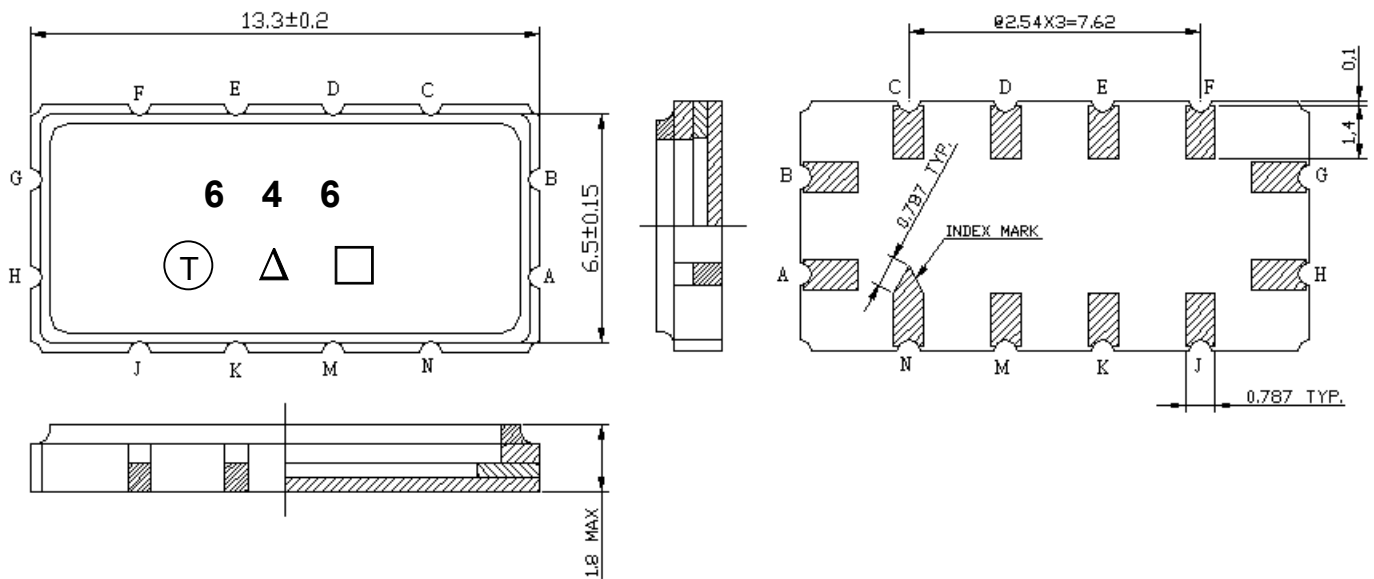


Fig2. Horizontal: 6MHz/Div Vertical 1: 1dB/Div
Vertical 2: 50nS/Div

D. Outline Drawing:



Pin G: RF input

Pin A: RF output

Pin B, C, D, E, F, H, J, K, M, N: To be Ground

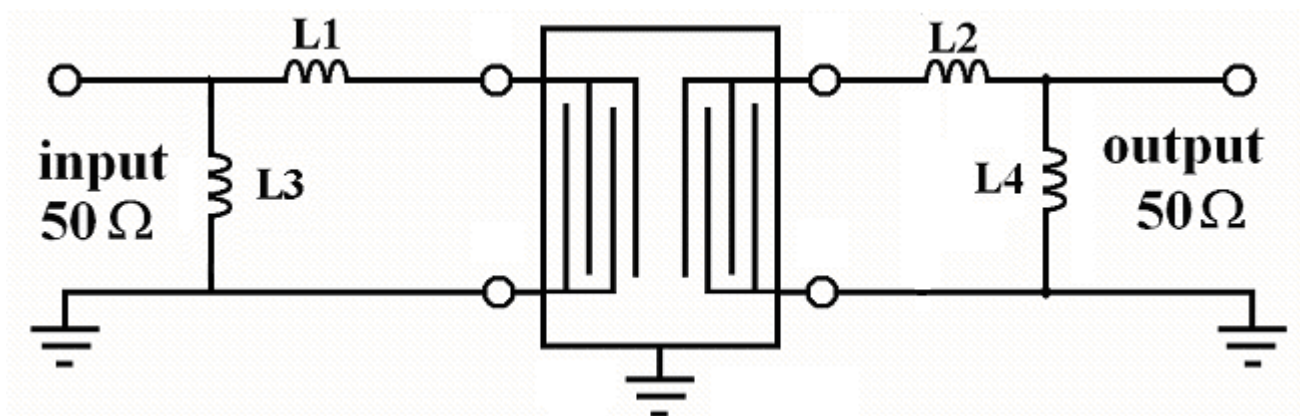
□: Week Code (Follow the table from planner each year)

Unit: mm

△ : Product / Year Code

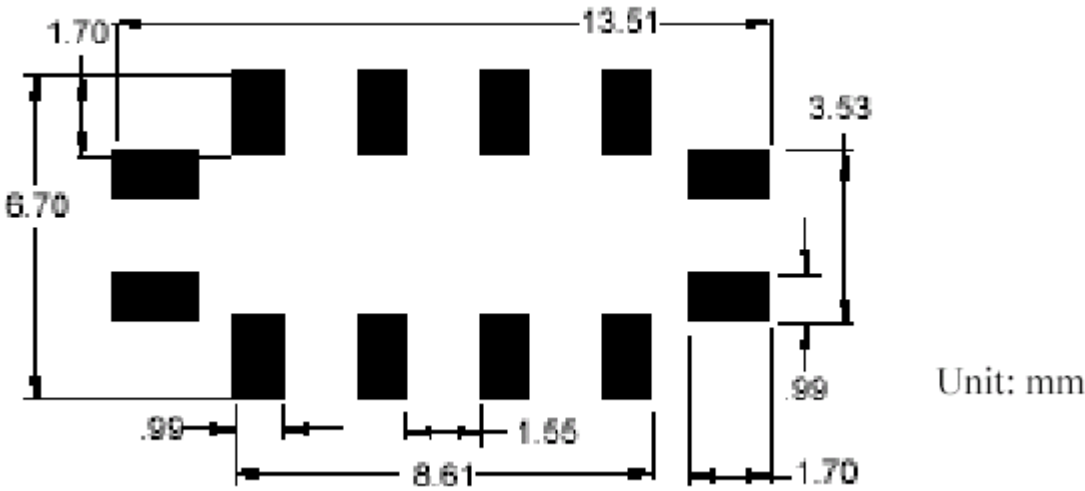
Year	2005 2009	2006 2010	2007 2011	2008 2012
Product Code	B	b	<u>B</u>	<u>b</u>

E. Matching Circuit: 50 Ohm single ended Input - 50 Ohm single ended Output



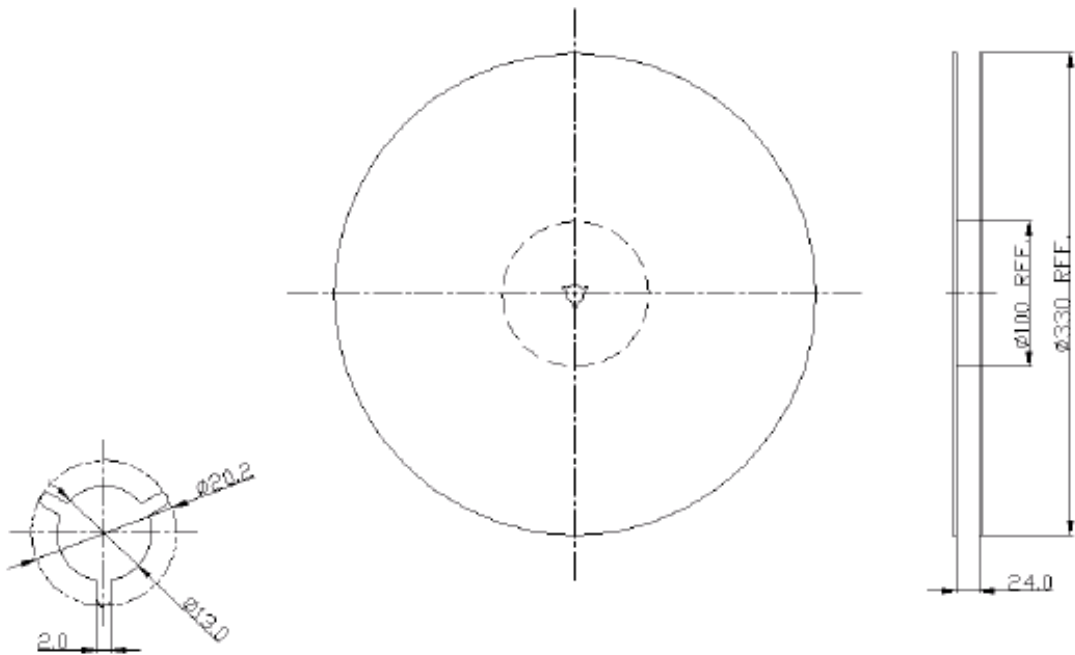
L1=27 nH; L2=27nH L3=180 nH; L4=180nH

F. PCB FOOTPRINT:



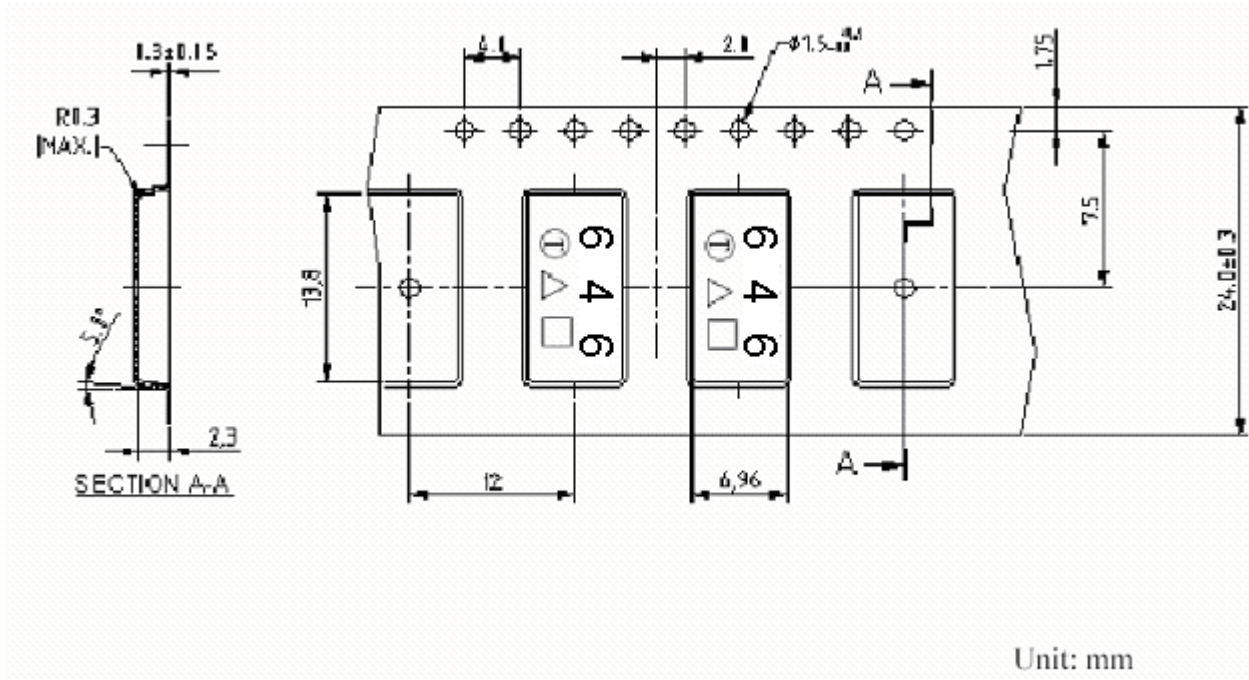
G. PACKING:

1. REEL DIMENSION



Unit: mm

2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

