



TAI-SAW TECHNOLOGY CO., LTD.

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Approval Sheet For Product Specification

Issued Date:

Product Name: SAW IF Filter 351MHz

TST Parts No.: TB0648A

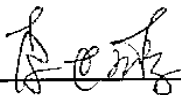
Customer Parts No.: _____

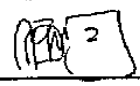
Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Kazuma Lee 

Approval by: _____ Francis Chen 

Date: _____ 2008/12/08



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SAW Filter 351MHz 90 MHz BW (SMD 5×5 mm)

MODEL NO.: TB0648A

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	-	351	-
Insertion Loss 306 to 396 MHz	dB	-	15.3	16.5
Passband Variation 306 to 396 MHz	MHz	-	1.1	3
Relative Attenuation at 262MHz	dB	20	50	-
Relative Attenuation at 402MHz	dB	-	25	-
Temp Coefficient	ppm/K	-	-76	-

C. Frequency Characteristics:

Wideband Response:(span 300MHz)

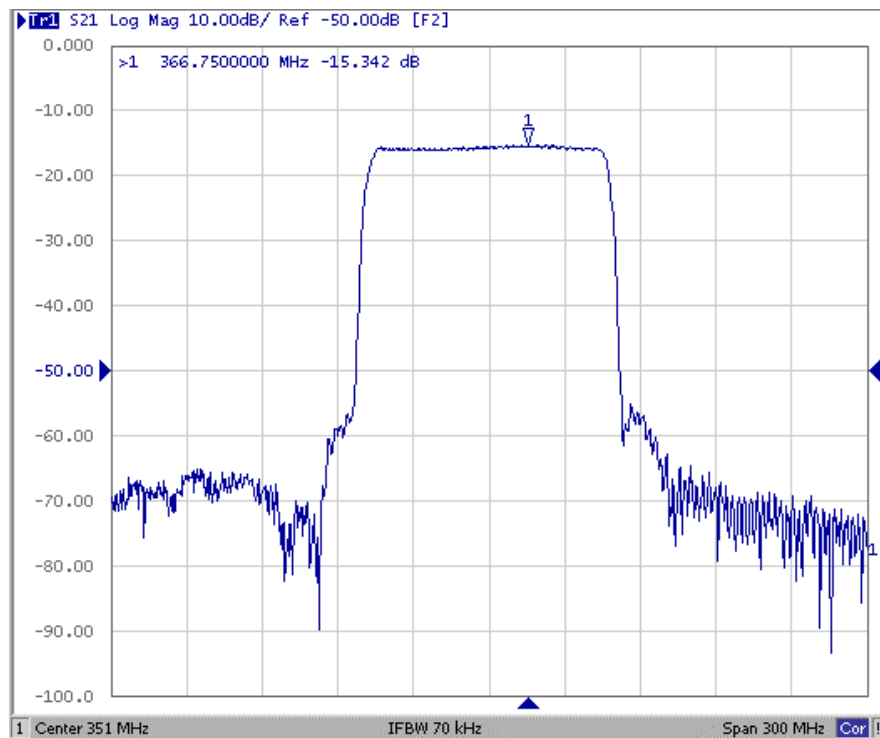


Fig1. Horizontal: 30MHz/Div Vertical: 10dB/Div

Passband Response:(span 100MHz)

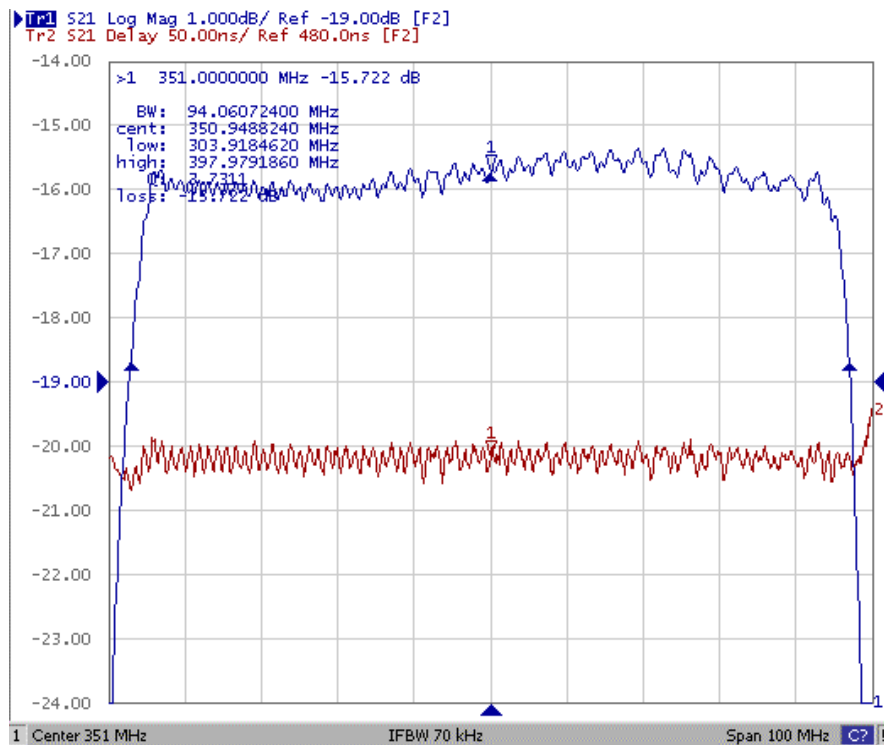
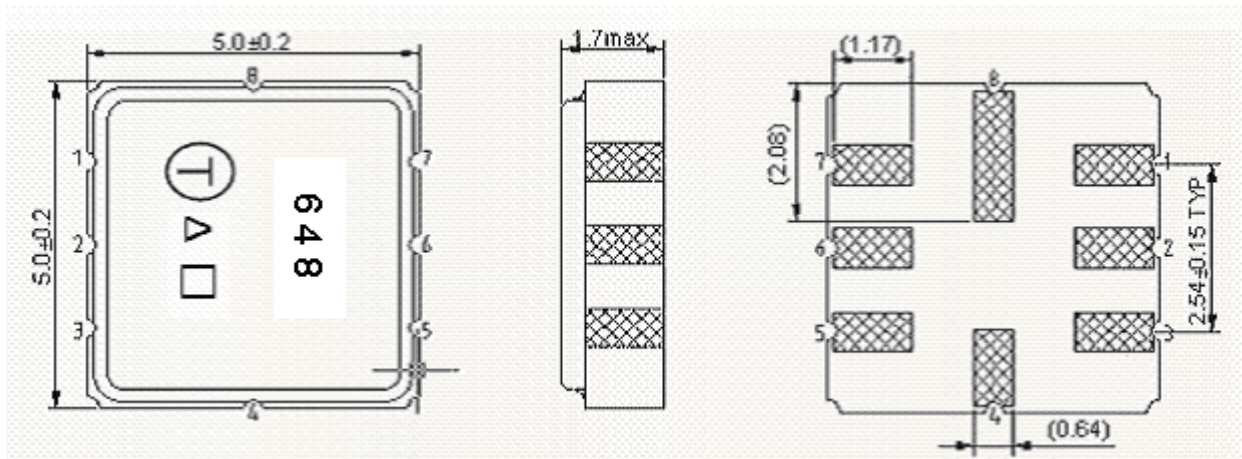


Fig2. Horizontal: 10MHz/Div Vertical 1: 1dB/Div
Vertical 2: 50nS/Div

D. Outline Drawing:



#1 –Input

#2 –Input ground

#5 – Output

#6 – Output ground

#3,4,7,8 – Ground

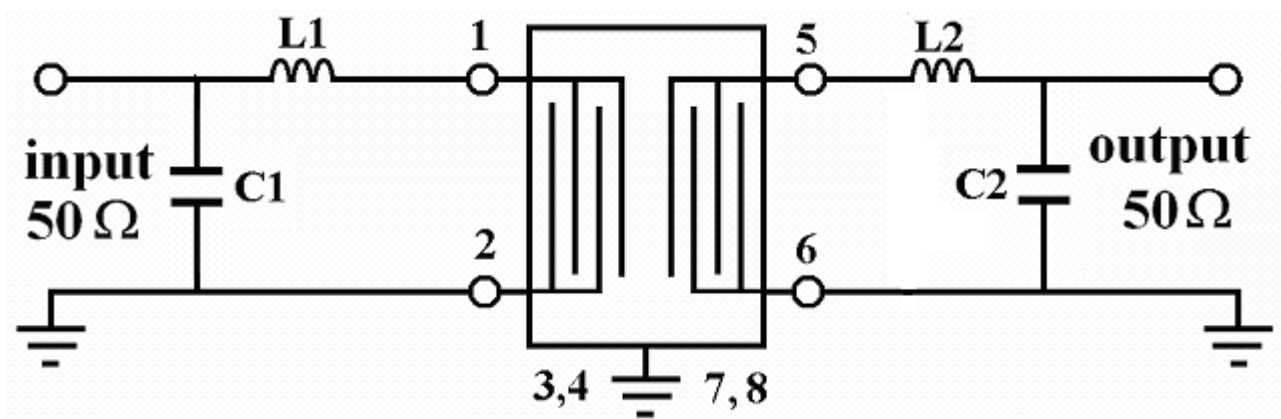
□ : Week Code (Follow the table from planner each year)

Unit : mm

△ : Product / Year Code

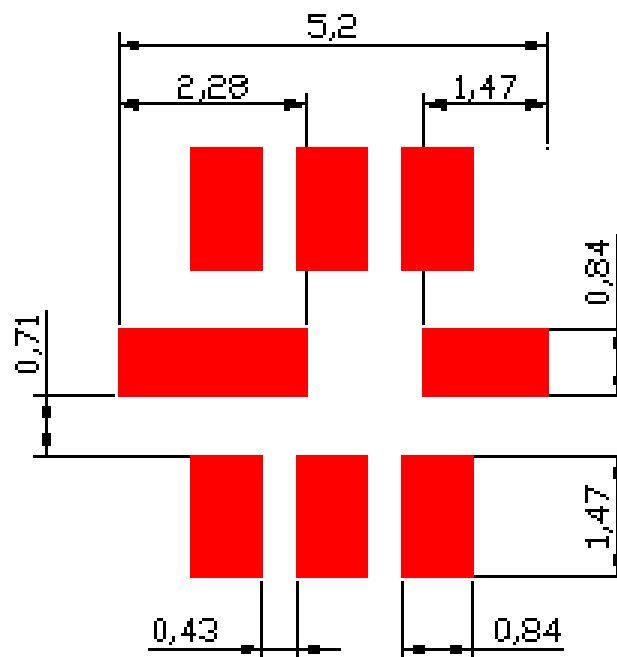
Year	2005 2009	2006 2010	2007 2011	2008 2012
Product Code	B	b	<u>B</u>	<u>b</u>

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



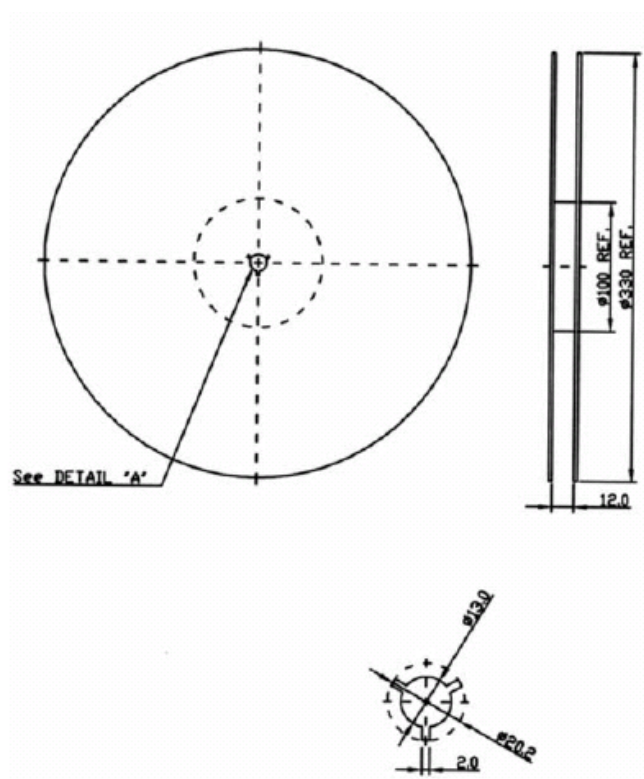
$$L1=36\text{nH}; L2=36\text{nH}; C1=8\text{pF}; C2=8\text{pF}$$

F. PCB Footprint:

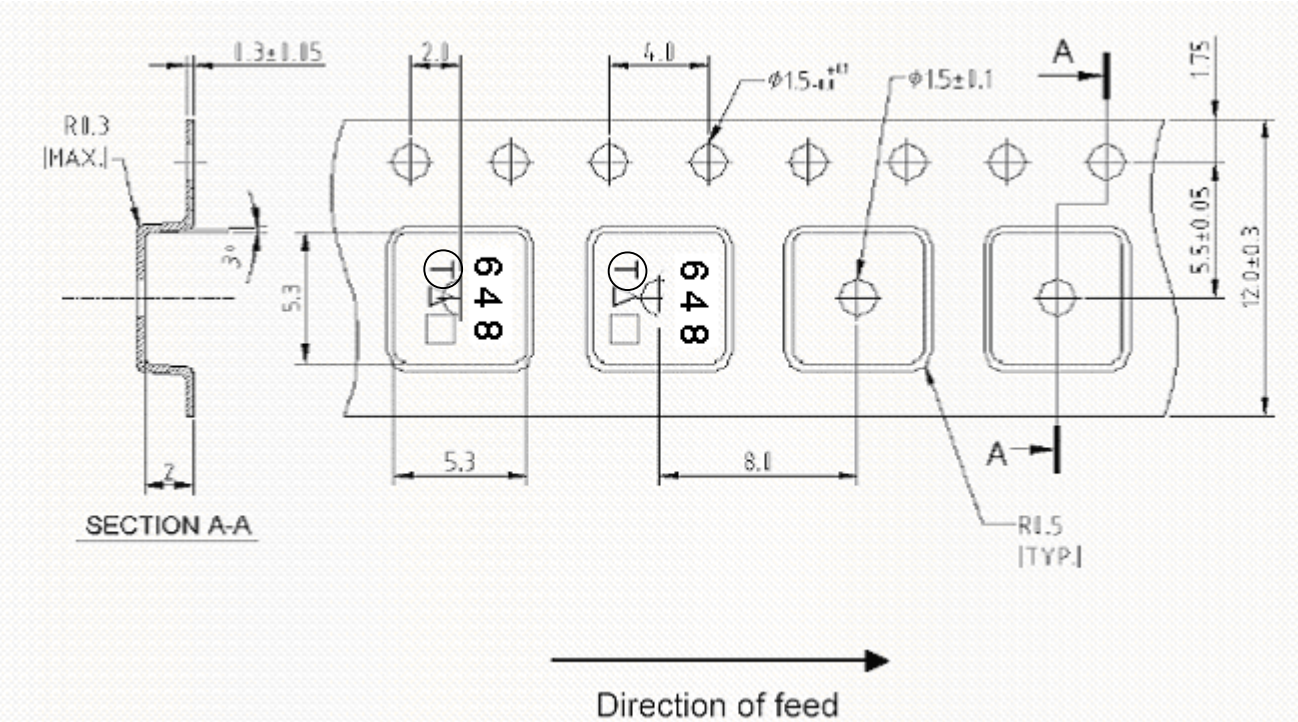


G. PACKING:

1. REEL DIMENSION:



2. TAPE DIMENSION:



H. RECOMMENDED REFLOW PROFILE_:

