TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.
TEL: 886-3-4690038 FAX: 886-3-4697532
E-mail: tstsales@mail.taisaw.com Web: www.taisaw.com

Approval Sheet For Product Specification

Issued Date:

Product Name: SAW IF Filter 159MHz

TST Parts No.: TB0647A

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 159MHz 90 MHz BW (SMD 7×5 mm)
MODEL NO.: TB0647A 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	-	159	-
Insertion Loss	114 to 204 MHz	dB	-	20	23
Passband Variation	114 to 204 MHz	MHz	-	0.8	3
Relative Attenuation	at 70 MHz	dB	20	50	-
Relative Attenuation	at 210 MHz	dB	-	21	-
Temp Coefficient		ppm/K	-	-76	-

C. Frequency Characteristics:

Wideband Response:(span 300MHz)

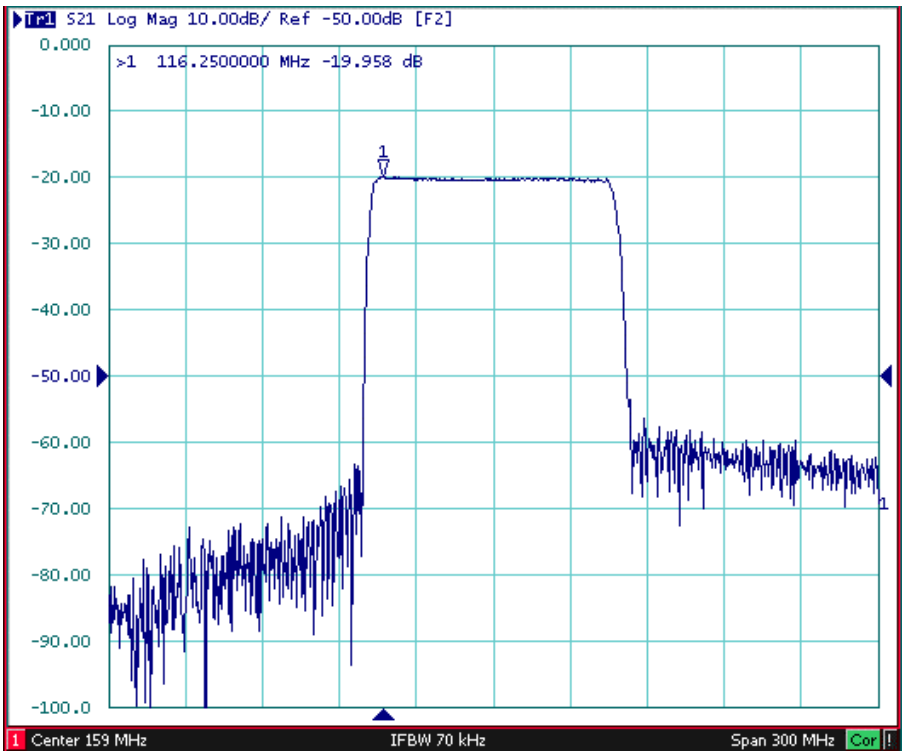


Fig1. Horizontal: 30MHz/Div Vertical: 10dB/Div

Passband Response:(span 100MHz)

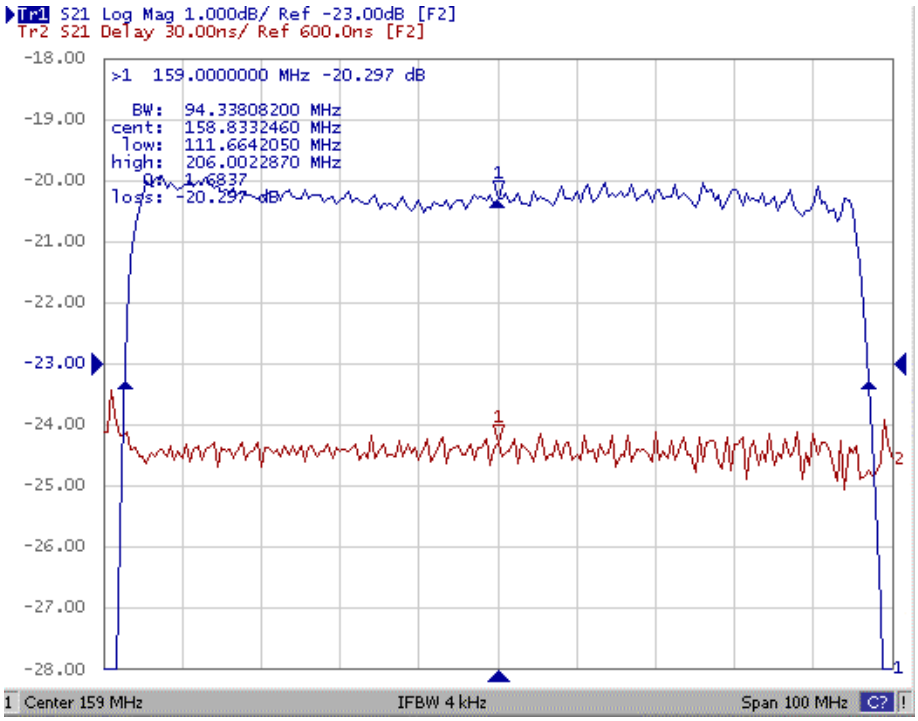
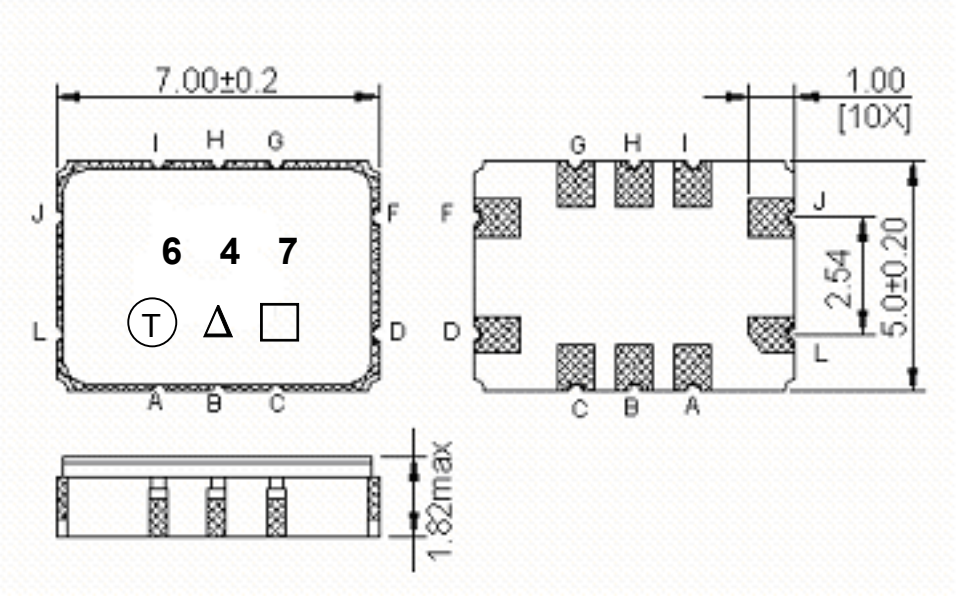


Fig2. Horizontal: 10MHz/Div Vertical 1: 1dB/Div
Vertical 2: 30nS/Div

D. Outline Drawing:



Pin J –RF input

Pin D –RF output

Pin A,B,C,F,G,H,I,L - Ground

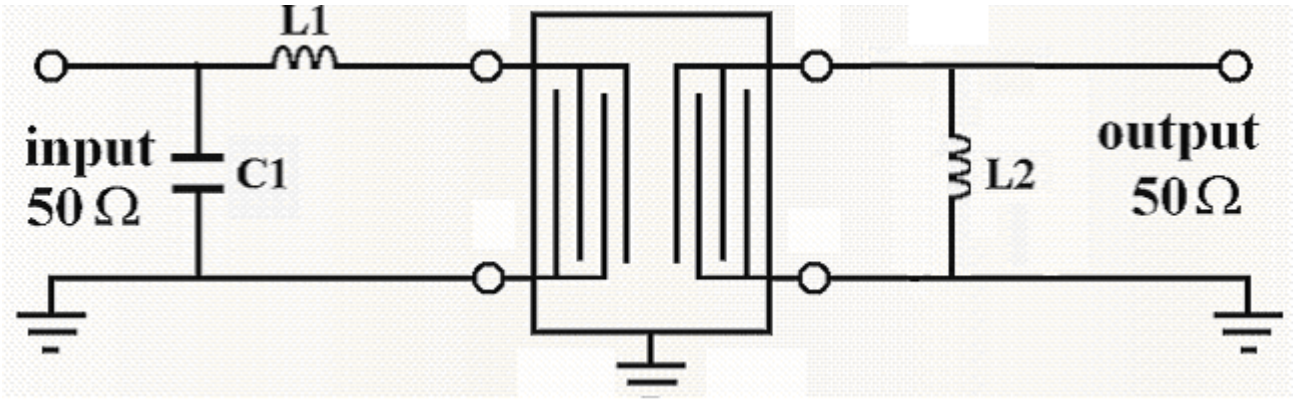
□ : Week Code (Follow the table from planner each year)

Unit : mm

△ : Product / Year Code

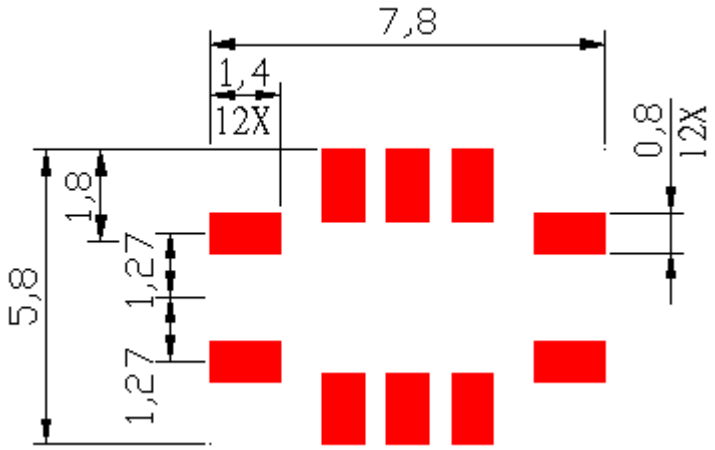
Year	2005 2009	2006 2010	2007 2011	2008 2012
Product Code	B	b	B	b

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



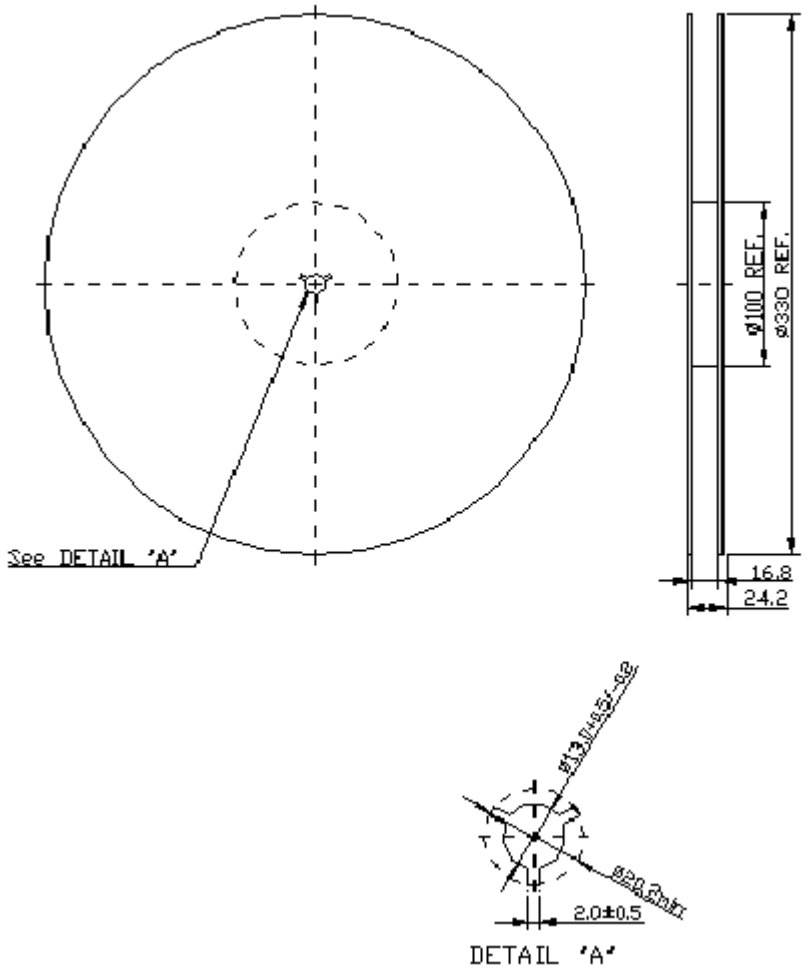
L1=47nH;L2=39nH;C1=39pF

F. PCB FOOTPRINT:

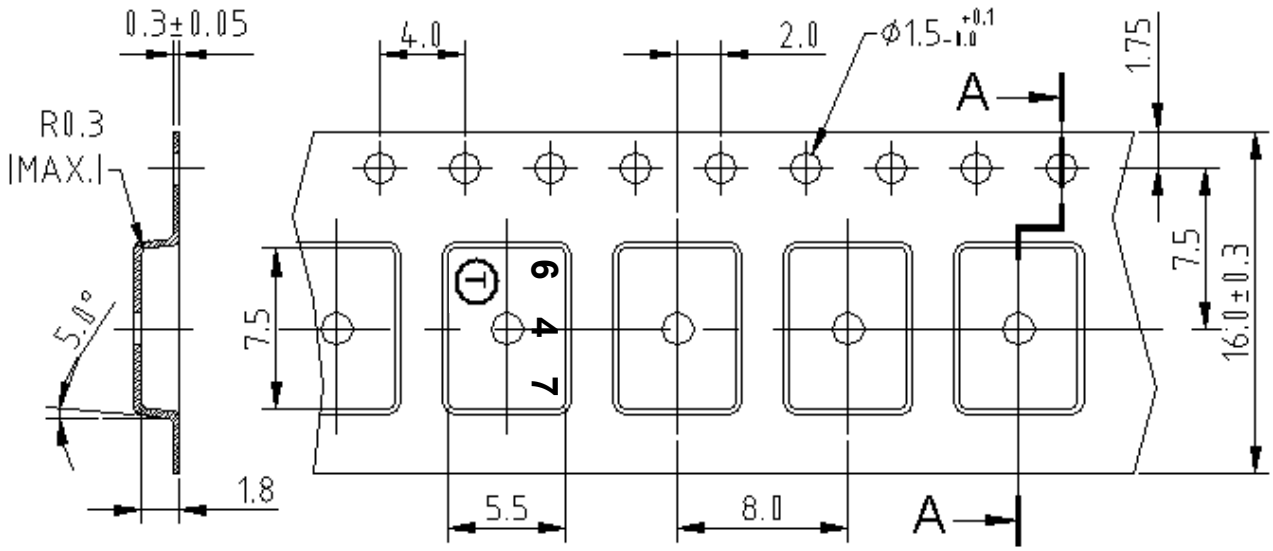


G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :