



TAI-SAW TECHNOLOGY CO., LTD.

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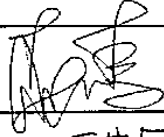
Product Specifications Approval Sheet

Product Name: 851.24 MHz 66MHz BW SMD 5.0 x 5.0 mm SAW IF Filter

TST Parts No.: TB1007A

Customer Parts No.: _____

Customer signature required
Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: _____ Kazuma Lee 

Approval by: _____ Francis Chen 

Date: _____ 08 / 11 / 2011

1. Customer signed back is required before TST can proceed with sample build and receive orders.
2. Orders received without customer signed back will be regarded as agreement on the specifications.
3. Any specifications changes must be approved upon by both parties and a new revision of specifications shall be released to reflect the changes.



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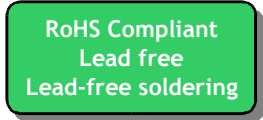
SAW Filter 851.24MHz 66MHz BW (SMD 5.0×5.0 mm)

MODEL NO.: TB1007A

REV. NO.1

A. MAXIMUM RATING:

1. Operating temperature range: -30°C to 75°C
2. Storage temperature range: -40°C to 85°C
3. Input Power Level : 10 dBm
4. Maximum DC Voltage : 10V



Electrostatic Sensitive Device

B. Characteristics :

Item	Unit	Min.	Type.	Max.
Center frequency, F_c	MHz	-	851.24	-
Insertion Loss, IL	dB	-	12.3	15.0
-1dB bandwidth	MHz	66.0	74.5	-
Passband Ripple F_c± 30MHz	dB	-	0.6	1.0
Attenuation:(Reference level from Min IL)				
10MHz ~ 710MHz	dB	40	50	-
710MHz ~ 782MHz	dB	40	41	-
782MHz ~ 792MHz	dB	20	40	-
792MHz ~ 803MHz	dB	15	31	-
920MHz ~ 985MHz	dB	33	40	-
985MHz ~ 1200MHz	dB	40	42	-
Temperature Coefficient	ppm/°C	-	-94	--
Source Impedance	Ohm	-	50	-
Load Impedance	Ohm	-	50	-

C. Frequency Characteristics :

(1) Wide band Response:(span 400MHz)

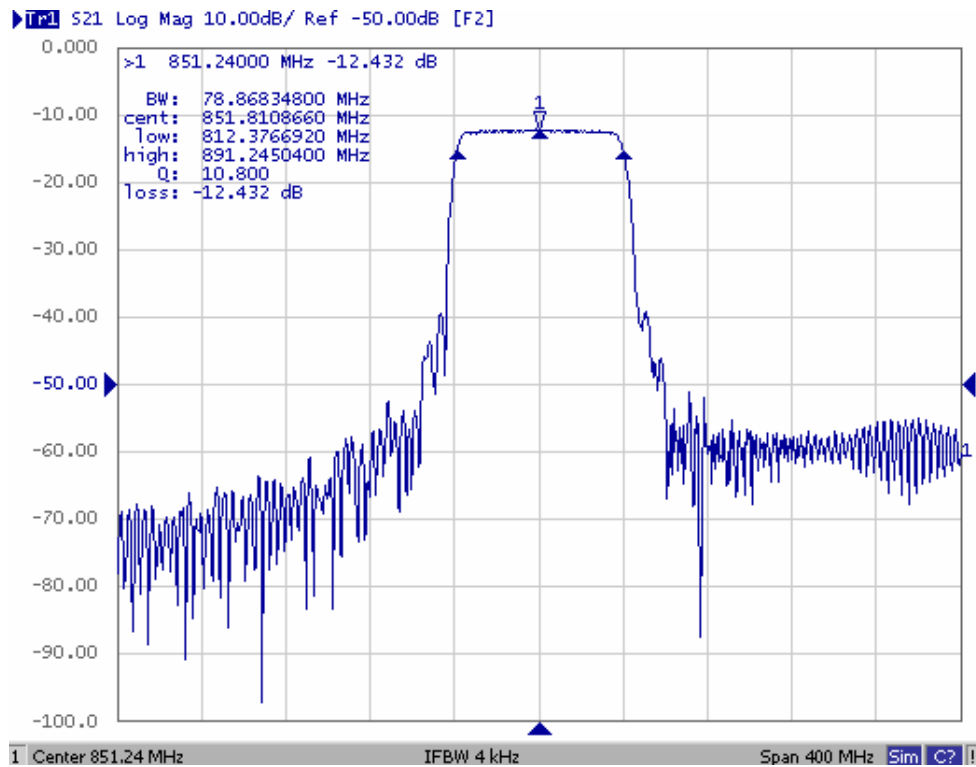


Fig1. Horizontal: 340MHz/Div Vertical: 10dB/Div

(2) Pass band Response and Group Time Delay Response:

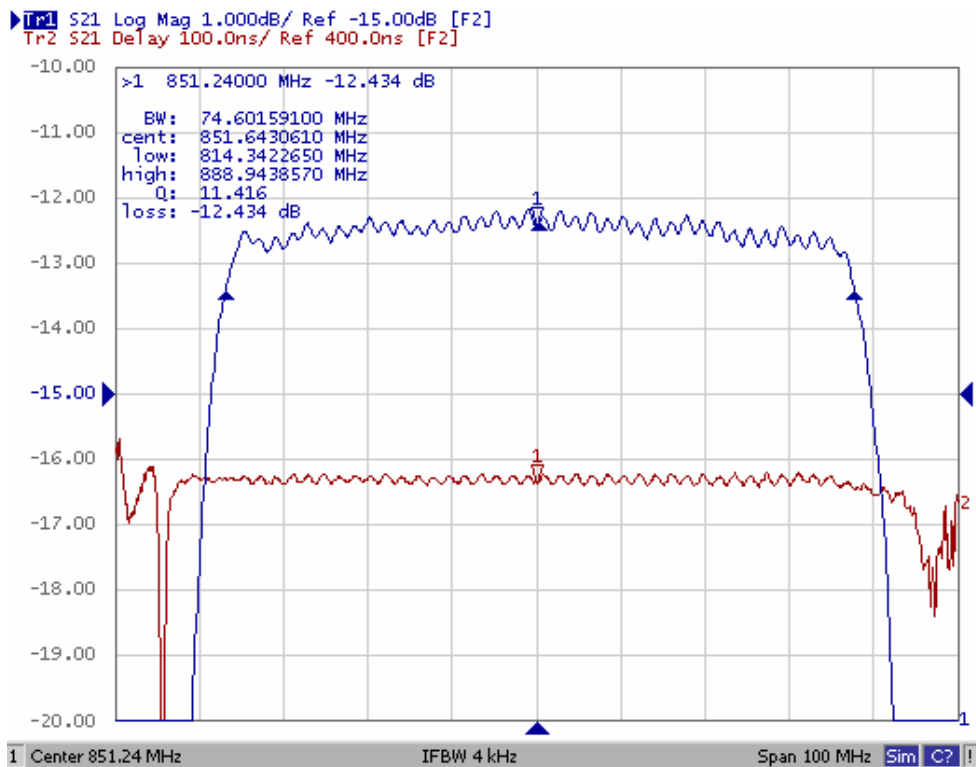


Fig2. Horizontal: 10MHz/Div Vertical: 1dB/Div
Vertical: 100ns/Div

(3) Wide band Response:

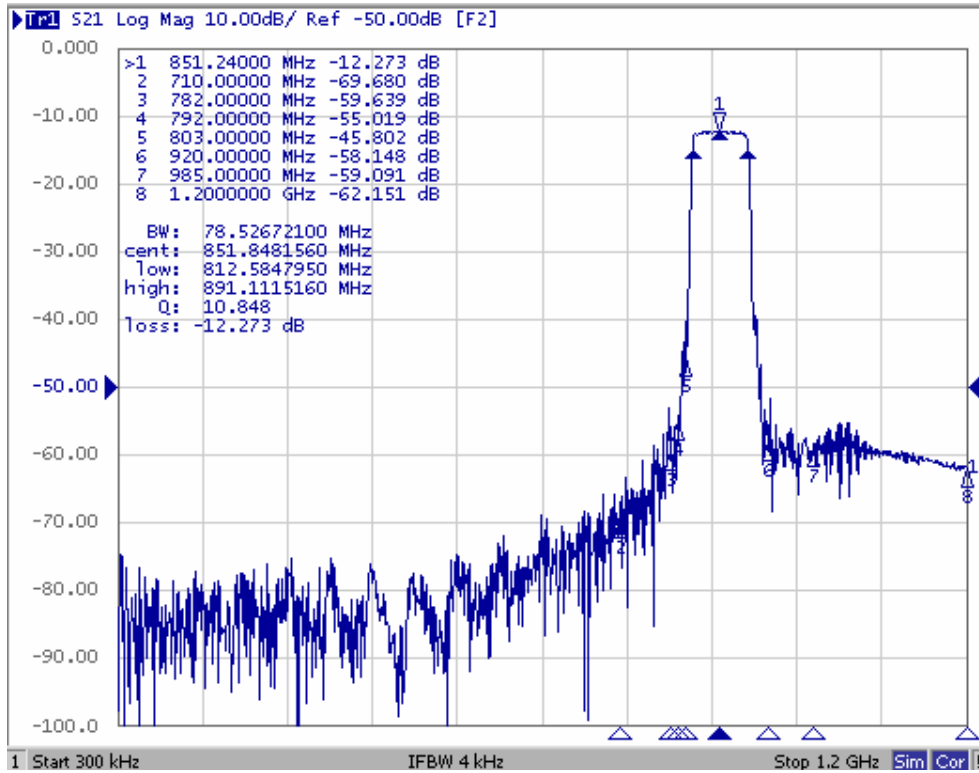
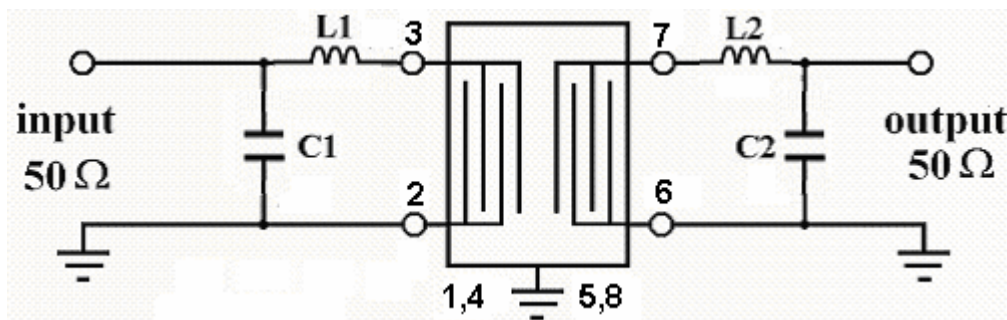


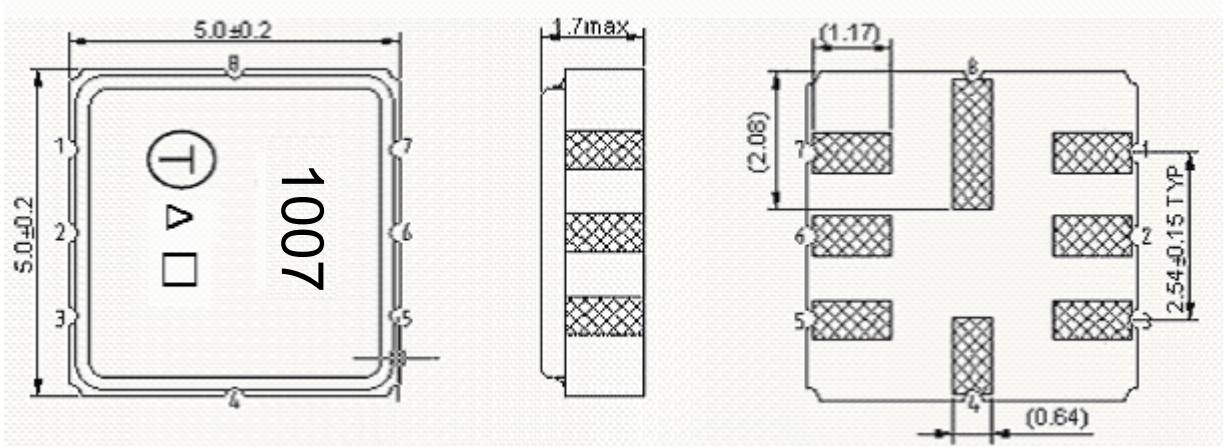
Fig3. Horizontal: 120MHz/Div Vertical: 10dB/Div

D. Matching Circuit:



L1 = 5.6 nH, C1 = 3.5 pF, L2 = 5.6 nH, C1 = 4 pF

E. Outline Drawing:



#3 –Input

#2 –Input ground

#7 – Output

#6 – Output ground

#1,4,5,8 – Ground

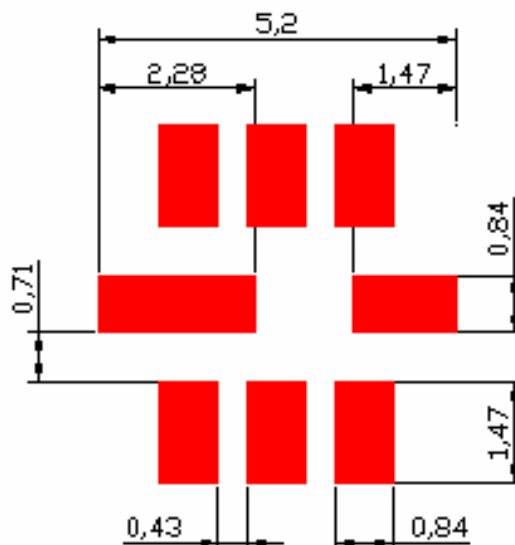
□ : Week Code (Follow the table from planner each year)

Unit : mm

△ : Product / Year Code

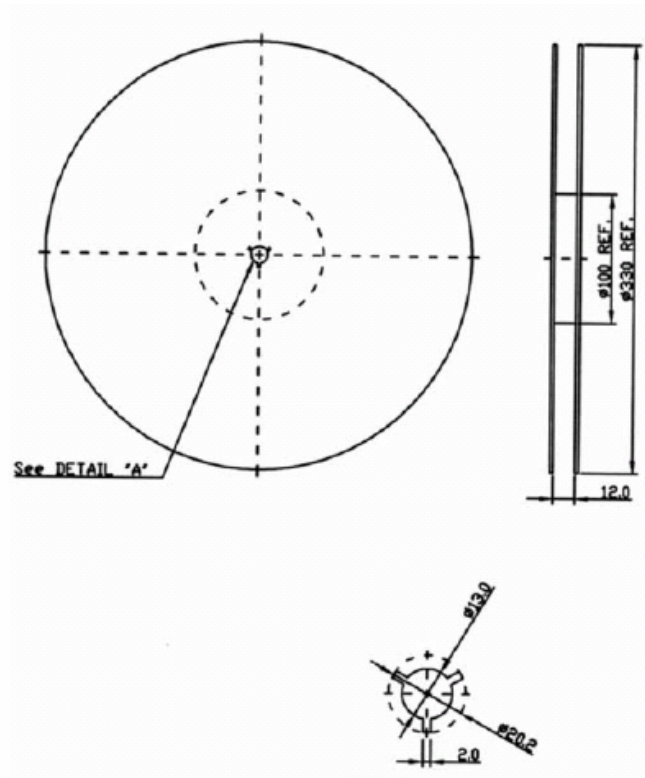
Year	2009 2013	2010 2014	2011 2015	2012 2016
Product Code	B	b	<u>B</u>	<u>b</u>

F. PCB Footprint:

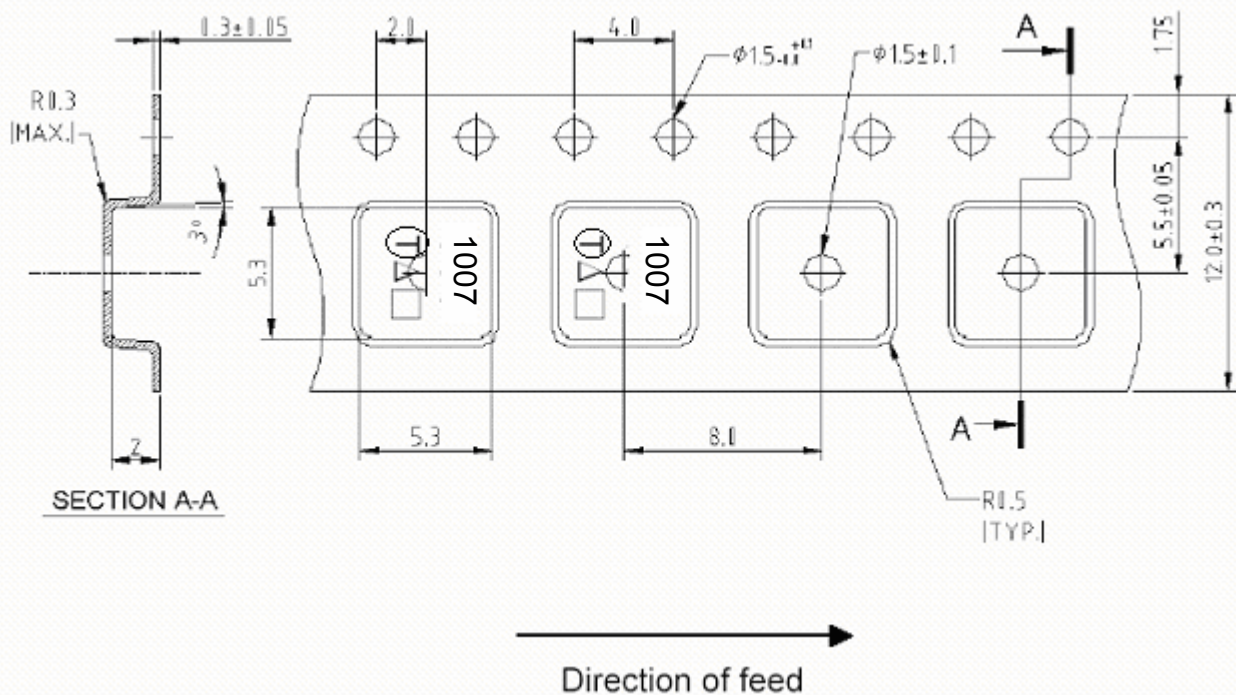


G. PACKING:

1. REEL DIMENSION:



2. TAPE DIMENSION:



H. RECOMMENDED REFLOW PROFILE:

