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Approval Sheet For Product Specification

Issued Date:

Product Name: SAW Filter 201MHz SMD 13.3×6.5mm

TST Parts No.:TB0592A

Customer Parts No.: _____

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

Checked by: Andy Lee

Approval by: Francis Chen

Date: 2007/12/26



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IF SAW Filter 201 MHz SMD 13.3X6.5mm

MODEL NO.: TB0592A

REV. NO.1

A. Maximum Rating:

1. Operating Temperature: 0°C to 70°C
2. Storage Temperature: -40°C to 85°C
3. Input power Level: 10dBm

RoHS Compliant
Lead free
Lead-free soldering

B. Characteristics :

1. Ambient Temperature : 25°C
2. Terminating Source Impedance: Single ended 50 ohm or Balanced 200 ohm
3. Terminating Load Impedance: Single ended 50 ohm or Balanced 200 ohm

Item	Unit	Min.	Type.	Max.
Center frequency, F_c	MHz	-	201.02	-
Insertion Loss, IL	dB	-	4.3	6.0
3 dB Bandwidth	kHz	-	358	-
Passband Ripple (F_c ± 80kHz)	dB	-	±0.36	±1.0
Absolute group delay	uS	-	2.30	-
Group Delay Variation (F_c ± 80kHz)	uS	-	1.08	1.50
Attenuation:(Reference level from minimum insertion loss)				dB
F_c ±200kHz ... F_c ±300kHz	dB	3.0	6.2	-
F_c±300kHz ... F_c±400kHz	dB	13	26	-
F_c±400kHz ... F_c±700kHz	dB	20	33	-
F_c±700kHz ... F_c ±1600kHz	dB	27	40	-
F_c±1600kHz ... F_c±3000kHz	dB	30	38	-
F_c±3000kHz ... F_c±6000kHz	dB	33	48	-
F_c±6000kHz ... F_c±35000kHz	dB	40	48	-

C. Frequency Characteristics :

(1) S21 Response:

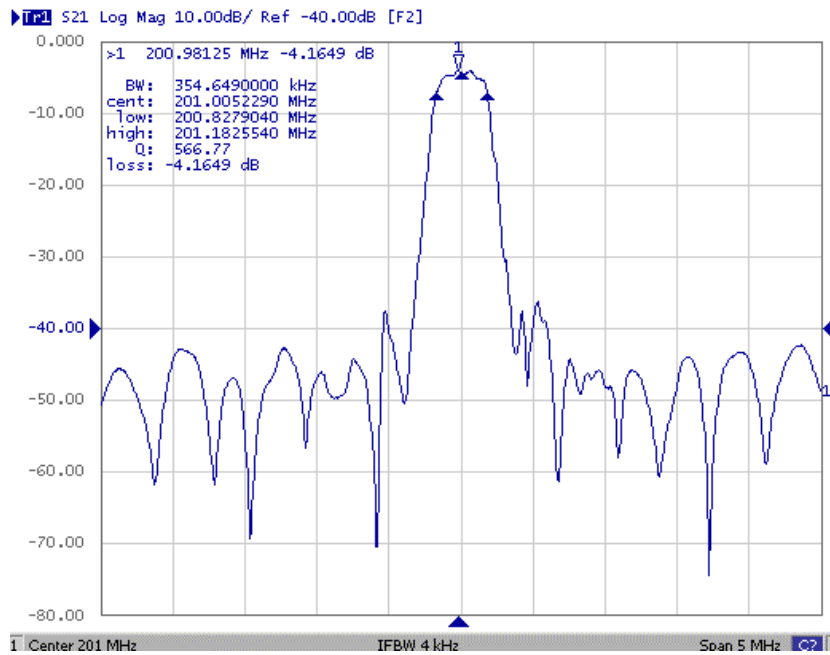


Fig1. Horizontal: 0.5MHz/Div Vertical: 10dB/Div

(2) Passband Response:

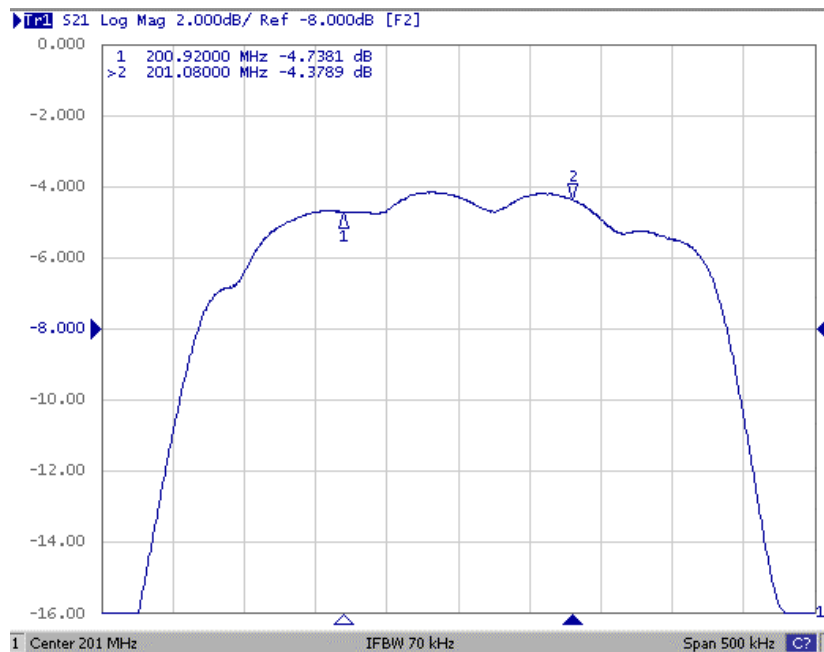


Fig2. Horizontal: 0.05MHz/Div Vertical: 2dB/Div

(3) Group Delay response

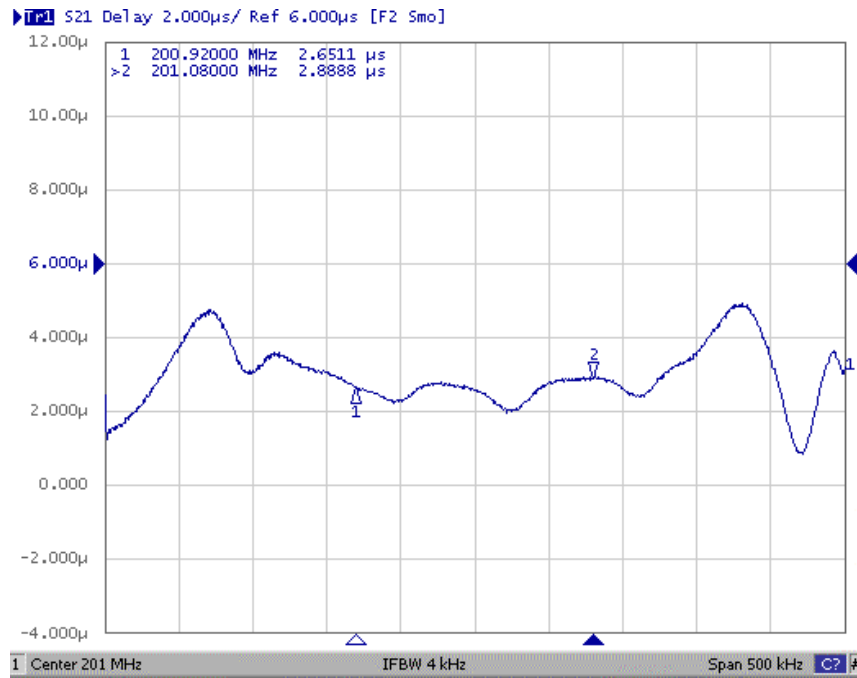


Fig3. Horizontal: 0.05MHz/Div Vertical: 2uS/Div

(4) Wide Band response

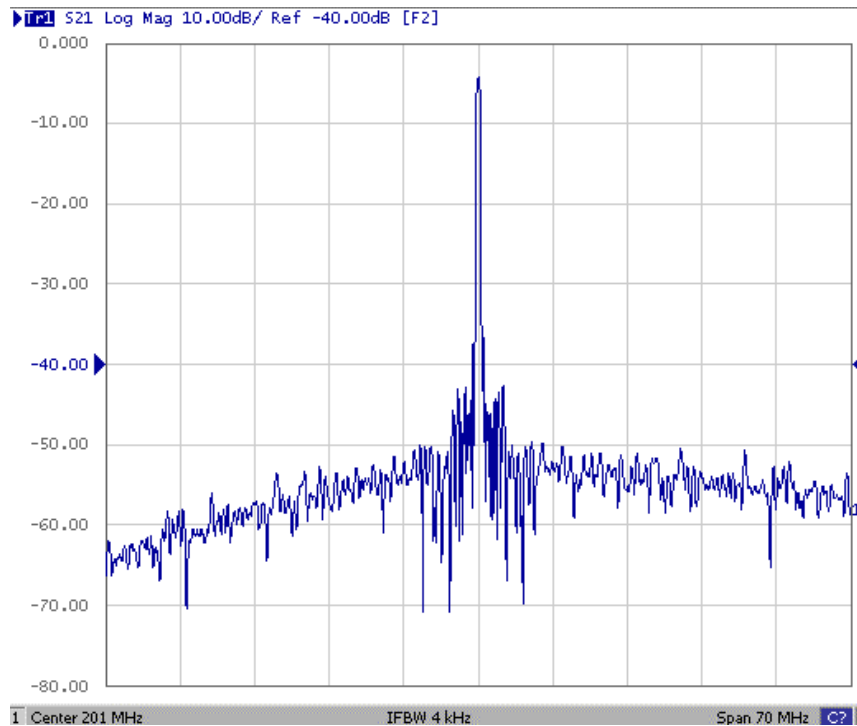
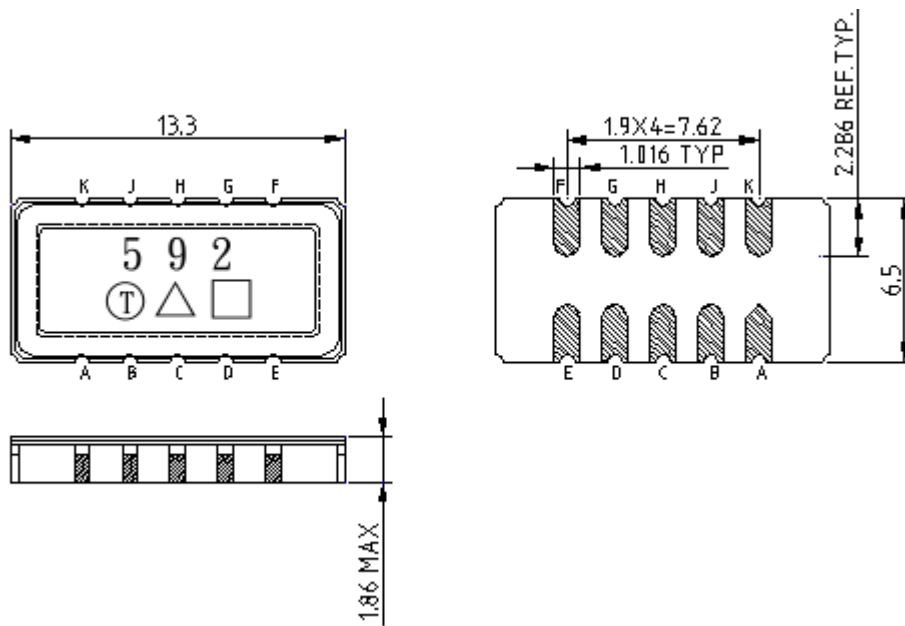


Fig4. Horizontal: 7MHz/Div Vertical: 10dB/Div

D. Outline Drawing:

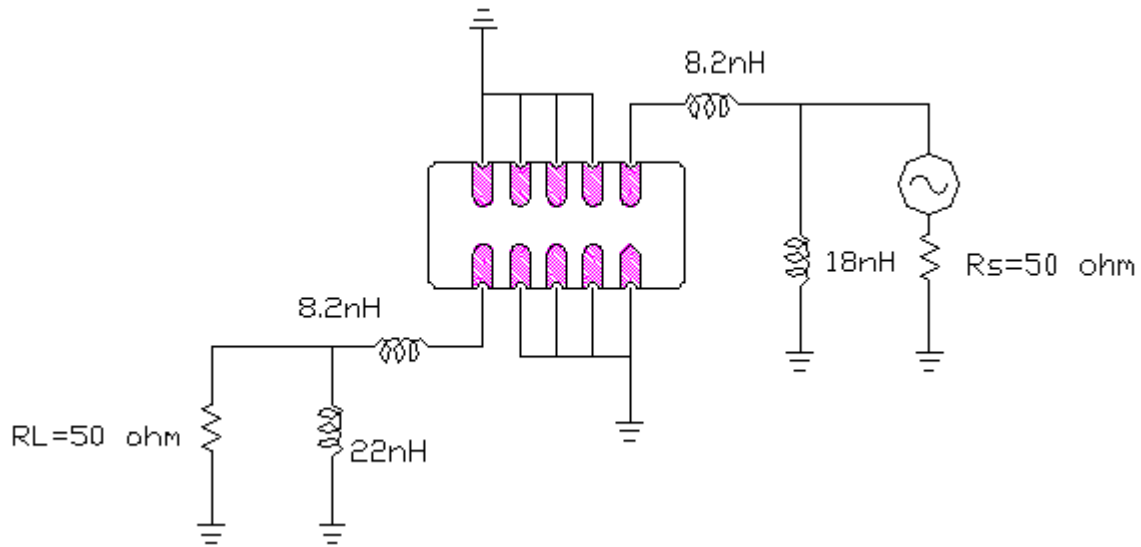


- Pin K : RF Input or Balanced input +
 - Pin A : RF Input Ground or Balanced input -
 - Pin E : RF Output or Balanced output +
 - Pin F : RF Output Ground or Balanced output -
 - Pin B,C,D,G,H,J : Ground
 - △ : Year Code
 - : Date Code (Follow the table from planner each year)
- Unit : mm

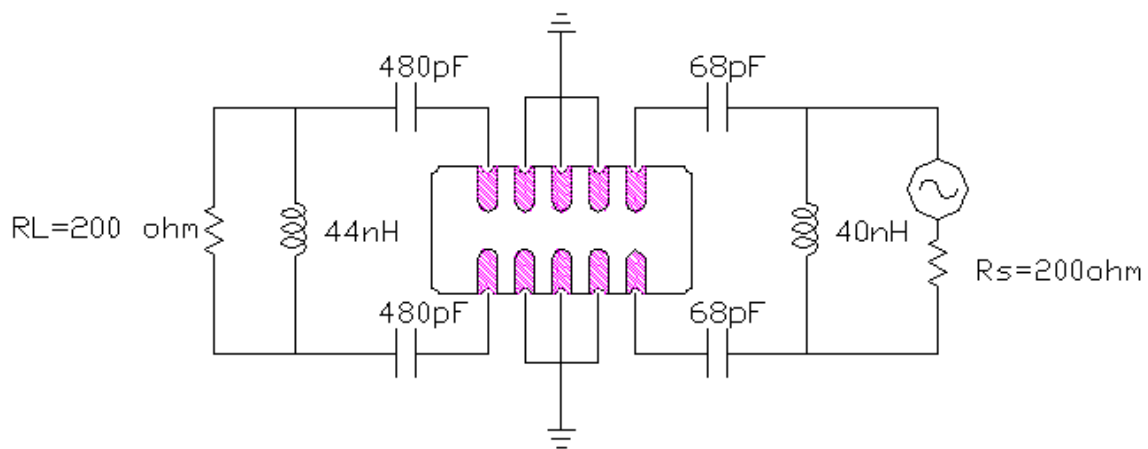
Year	2005 2009	2006 2010	2007 2011	2008 2012
Product Code	B	b	<u>B</u>	<u>b</u>

E. Matching Circuit:

(1) Single ended input 50 ohm to Single ended output 50 ohm



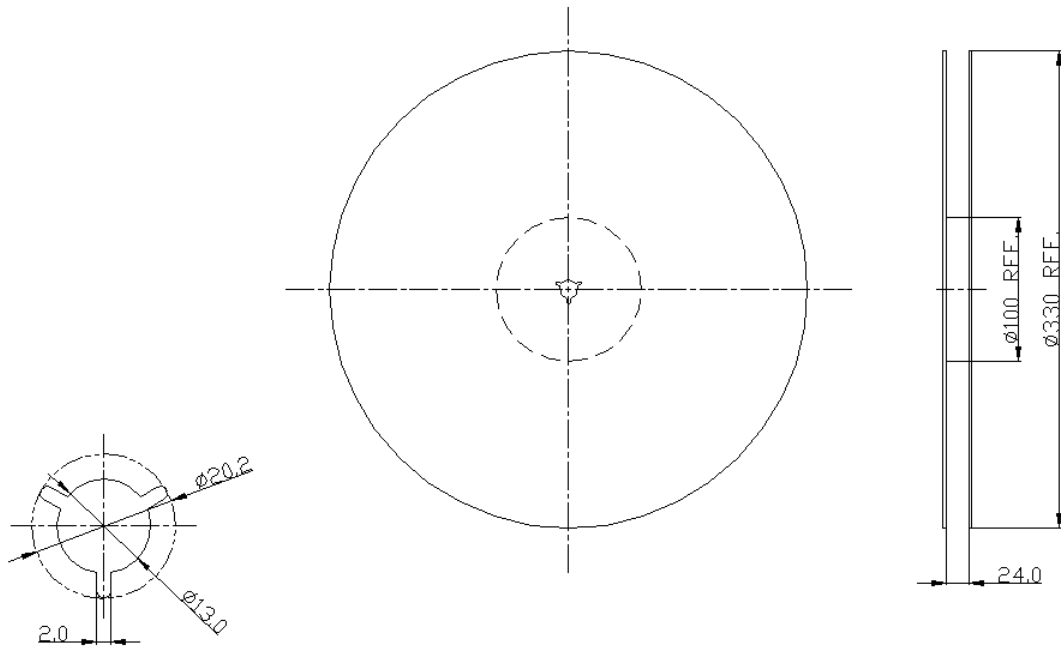
(2) Balanced input 200 ohm to Balanced output 200 ohm



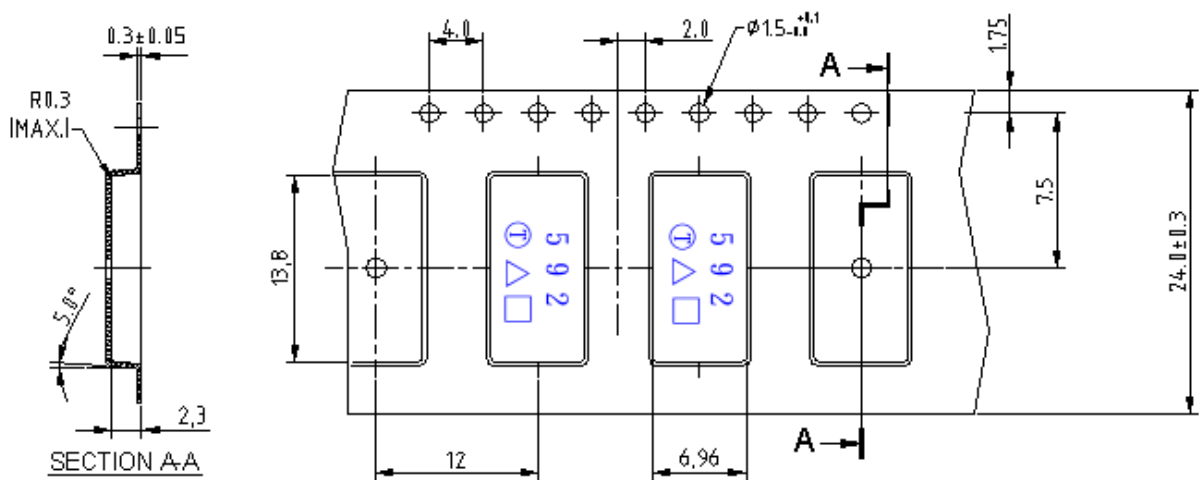
Note: The matching structure will change according to different test fixture.

F. PACKING:

(1). REEL DIMENSION



(2). TAPE DIMENSION



G. RECOMMENDED REFLOW PROFILE_:

