



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: IF SAW Filter 351.1 MHz(SMD 5.0X5.0mm)

TST Parts No.:TB0591A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Kazuma Lee

Approval by:_____ Francis Chen

Date:_____ 2008/06/02



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

IF SAW Filter 351.1MHz SMD 5.0X5.0mm

MODEL NO.: TB0591A

REV. NO.:1

A. MAXIMUM RATING:

1. Operating Temperature: -40 °C ~ +85 °C
2. Storage Temperature: -40 °C ~ +85 °C
3. Input Power Level: 10dBm

RoHS Compliant
Lead free
Lead-free soldering

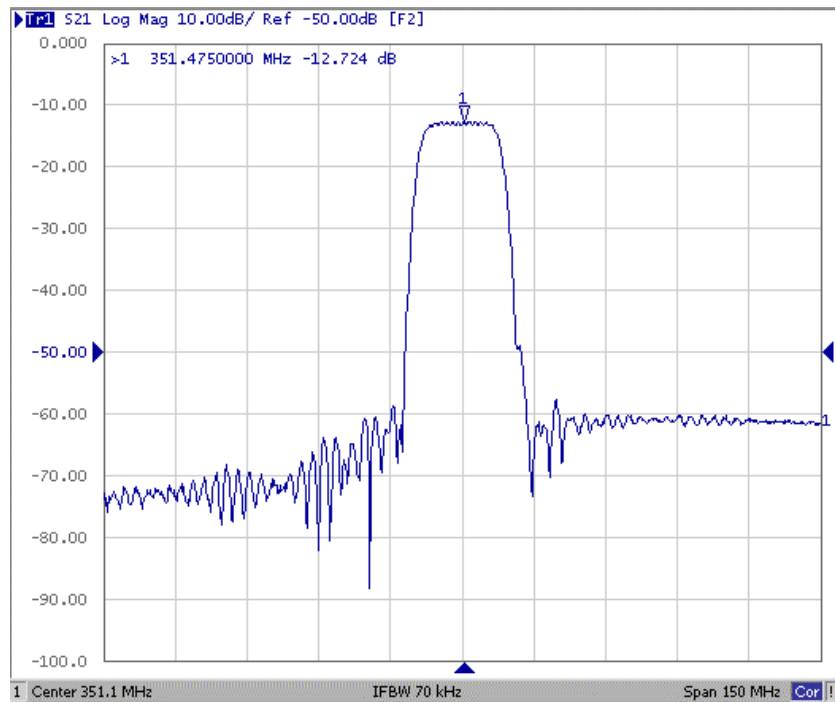
B. Characteristics :

1. Ambient Temperature: 25 °C

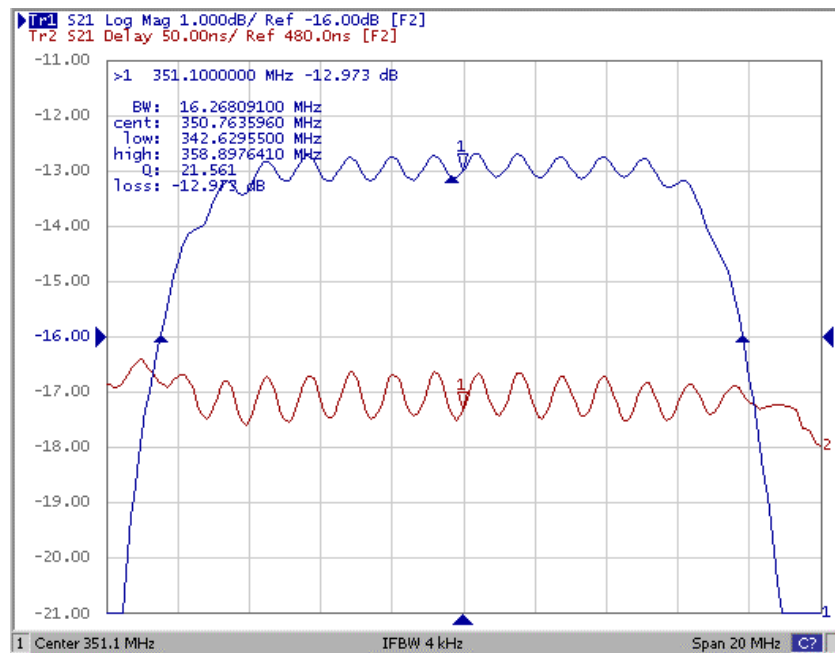
Characteristics	Value		
	Min.		Max.
Center frequency F_C MHz	-	351.1	-
Maximum Insertion loss I.L. dB	-	12.7	14.0
Passband Ripple in $F_C \pm 6$ MHz dB	-	0.7	1.0
Temp Coefficient ppm/°C	-	-23	-
Return Loss dB	-	-15	-
Attenuation:(Reference level from minimum insertion loss)			
1) 340 MHz dB	10.0	25.0	-
2) 360 MHz dB	4.0	9.0	-

C. Frequency Responses:

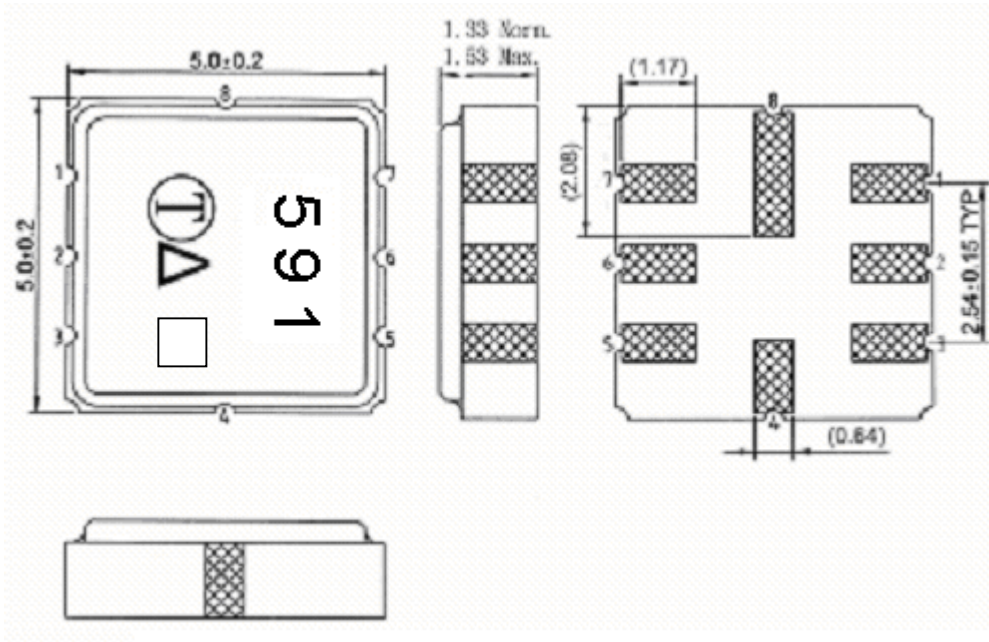
1. Wideband response



2. Passband response



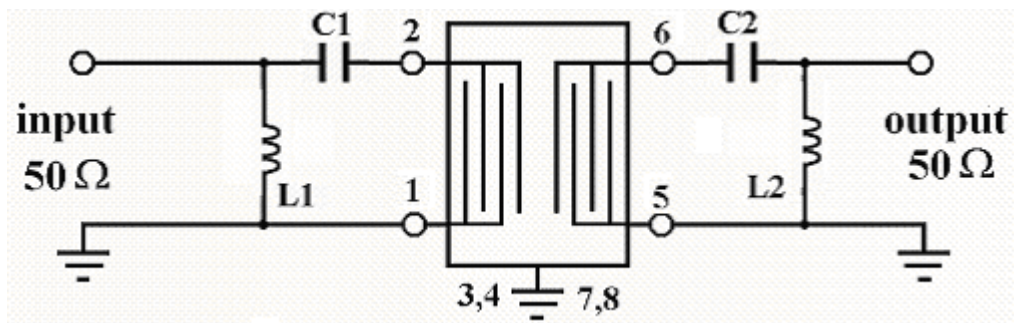
D. Outline Drawing:



- Pin 2: Input +
Pin 1: Input -
Pin 6: Onput +
Pin 5: Onput -
Pin 3,4,7,8 : 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>

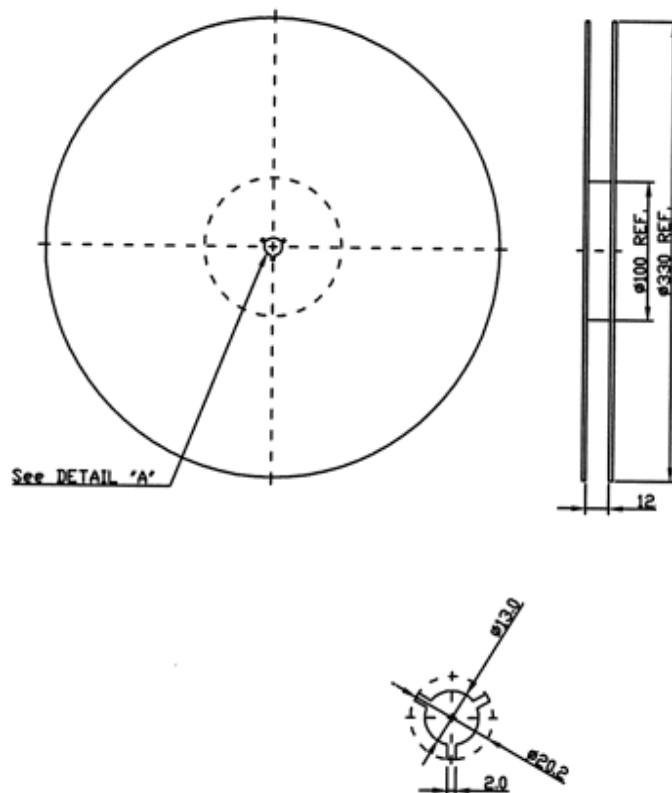
E. Measurement Circuit:



$$L1=8.2\text{nH}, C1=18\text{pF}, L2=8.2\text{nH}, C2=27\text{pF}$$

F. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

