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Approval Sheet For Product Specification

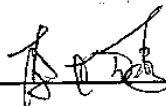
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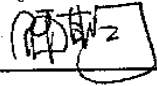
Product Name: SAW IF Filter 35.225MHz for Digital Cable TV

TST Parts No.: TB0692A

Customer Parts No.: _____

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

Checked by: _____ Kazuma Lee 

Approval by: _____ Francis Chen 

Date: _____ 2008/12/15



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IF SAW Filter 35.225 MHz

MODEL NO.: TB0692A

REV. NO.:2

A. FEATURES:

1. IF Filter for Digital Cable TV

B. MAXIMUM RATING:

1. DC voltage: 12 V.

2. AC voltage: 10 V.

3. Storage Temperature: -40°C to +85 °C.

4. Operating Temperature: -25 °C to +65 °C

Terminating source impedance $Z_S=50\Omega$

Terminating load impedance $Z_L=2k\Omega//3\text{ pF}$

C. ELECTRICAL CHARACTERISTICS:

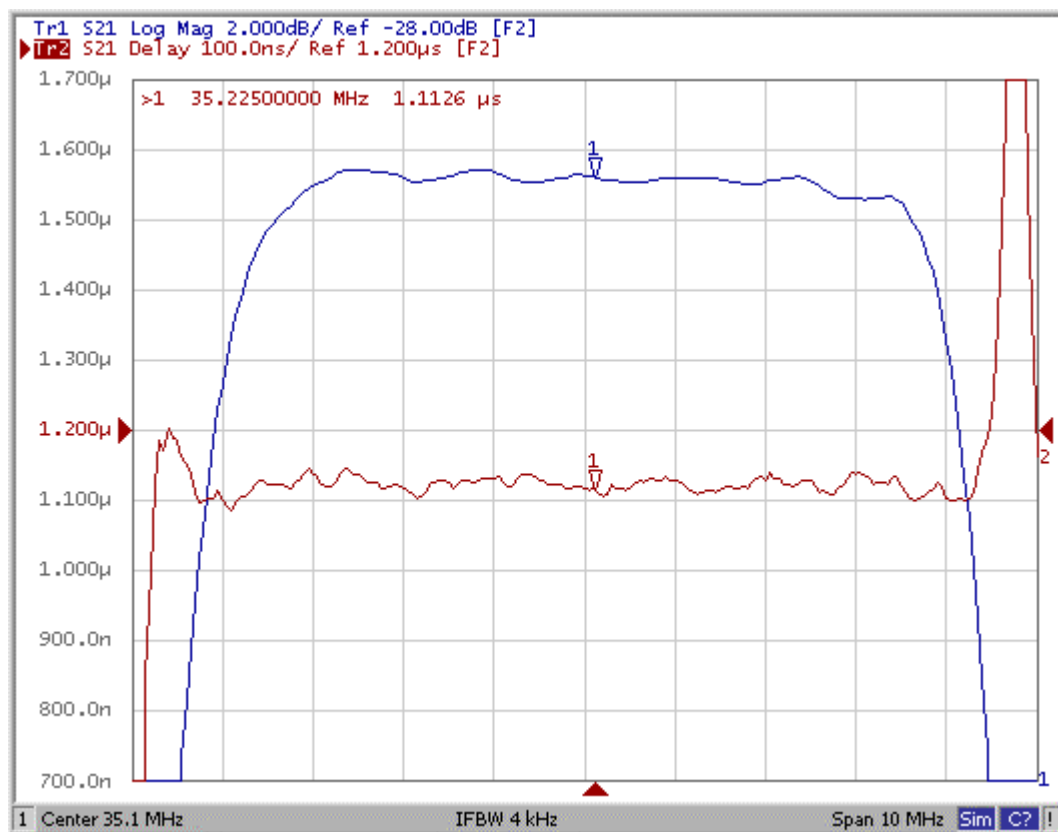
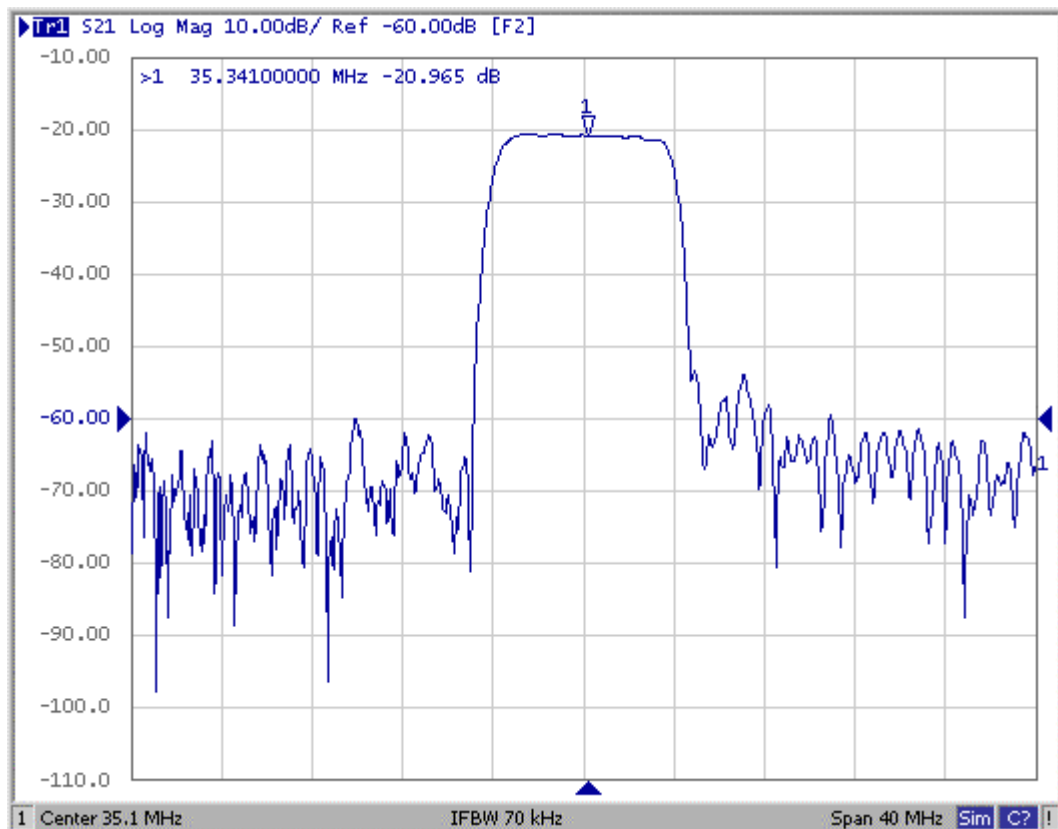
Attenuation (ref. : 35.225 MHz):

	MIN.	TYP.	MAX.	
Center frequency f_c				
Center frequency between 3dB point	-	35.225	-	MHz
Insertion attenuation				
Reference level for the	20.7	21.5	23.7	dB
Following data 35.23 MHz				
1dB Pass Bandwidth	-	7.0	-	MHz
3dB Pass Bandwidth	-	7.7	-	MHz
30dB Pass Bandwidth	-	9.4	-	MHz
31.43 MHz	-	2.6	-	dB
38.81 MHz	-	2.0	-	dB
31.20 MHz	-	4.3	-	dB
39.00 MHz	-	3.6	-	dB
30.00 MHz	33.0	46.0	-	dB
Lower side lobe				
25.00-28.60 MHz	35.0	40.0	-	dB
28.60-30.00 MHz	31.0	42.0	-	dB
Upper side lobe				
40.15-43.10 MHz	30.0	33.0	-	dB
43.10-45.00 MHz	34.0	40.0	-	dB
Reflected Wave Signal Suppression	42.0	50.0		dB
Feed through Signal Suppression	-	54.0		dB
Group delay ripple				
31.20-39.00 MHz	-	50	-	ns
Impedance at 35.225 MHz				
Input Impedance	-	5.8 10.9	-	K Ω pF
Output Impedance		3.5 3.1		K Ω pF
Temperature Coefficient of frequency	-	-72.0	-	ppm/K

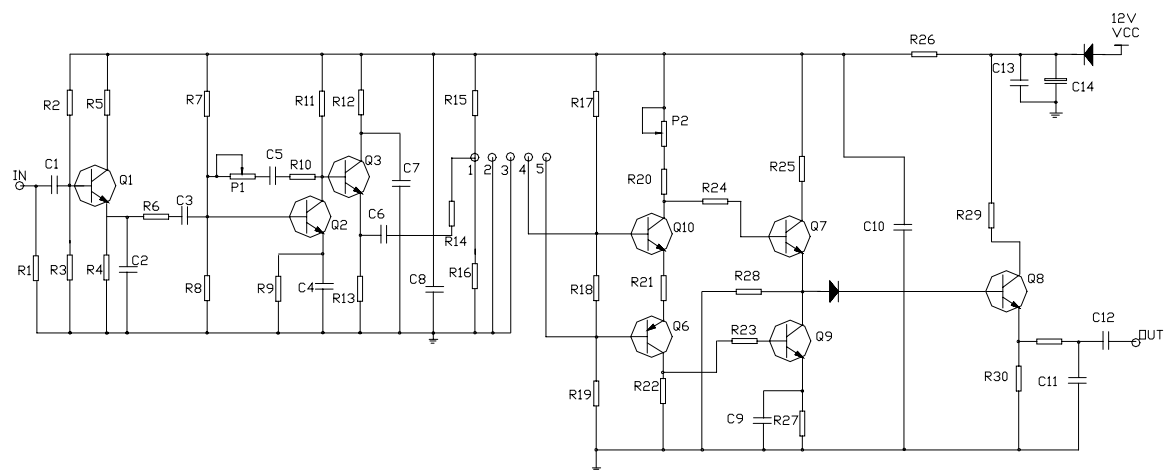
RoHS Compliant

Lead-free soldering

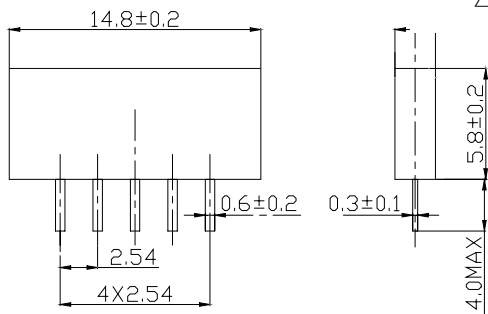
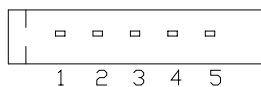
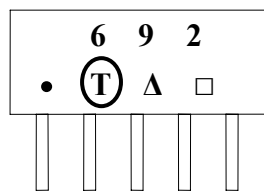
D.FREQUENCY CHARACTERISTICS:



E. TEST CIRCUIT



E. Outline Drawing:



Pin No. Functions

- 1. Input
- 2. input - ground
- 3. Chip carrier - ground
- 4. Output
- 5. Output

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

△ : Product / Year Code

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