TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
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TEL: 886-3-4690038 FAX: 886-3-4697532
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Approval Sheet For Product Specification

Issued Date:

Product Name: IF SAW Filter 44 MHz (SMD 13.7 mmX4.8mm)

TST Parts No.:TB0473A

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 44MHz(BW=5MHz) SMD 13.7X4.8mm

MODEL NO.: TB0473A REV. NO.2

A. MAXIMUM RATING:

DC voltage	V_{DC}	12	V	Between any terminals
AC voltage	V_{PP}	10	V	Between any terminals
Operating Temperature Range	T_A	-25~65	℃	
Storage Temperature Range	T_{stg}	-40~85	℃	

B. Characteristics :

RoHS Compliant
Lead-free soldering

1. Electronic Characteristics

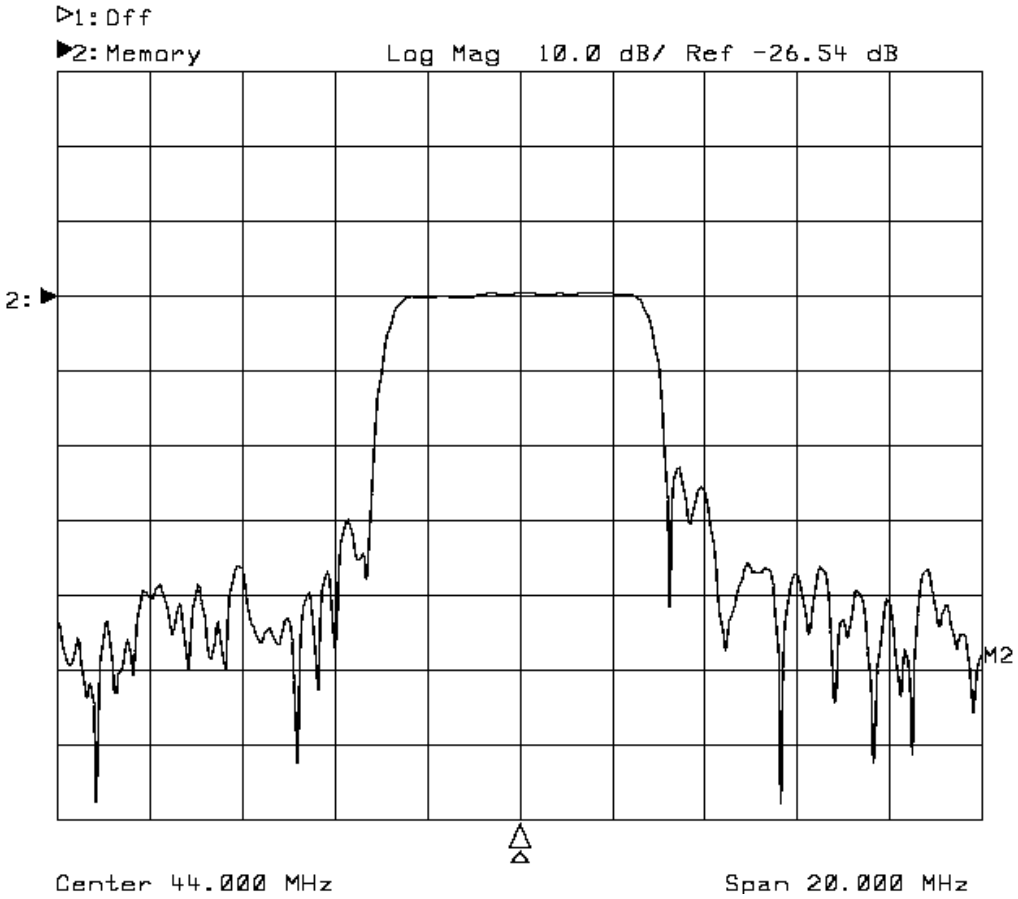
Reference temperature: Ta=25℃
Terminating source impedance Z_S=50Ω
Terminating load impedance Z_L=2kΩ//3pF

2 .Amplitude Characteristics

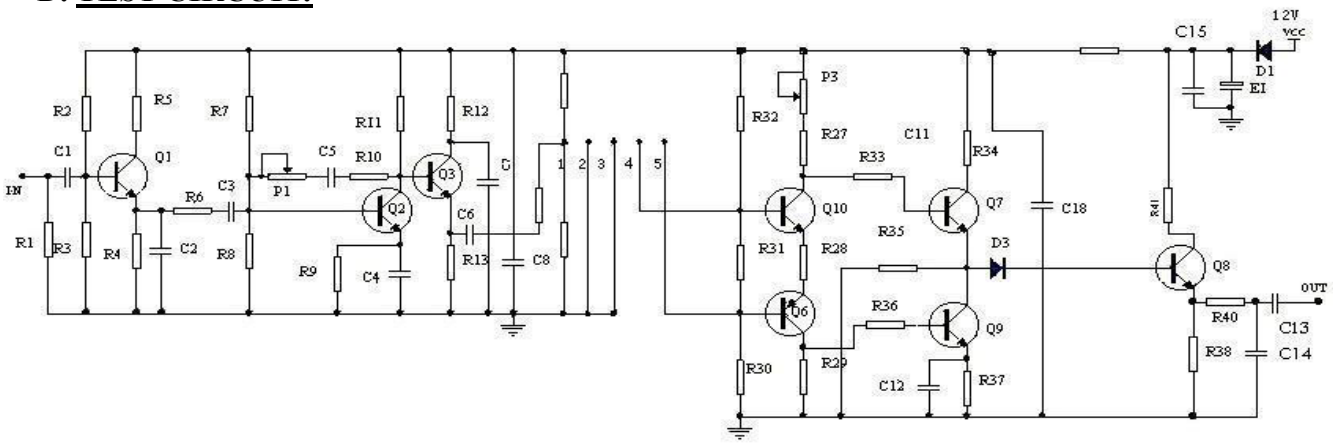
FREQUENCY(MHz)		VALUE			
		Min.	Typ.	Max.	
Insertion attenuation Reference level for the following data	44.00MHz	24.5	26.5	28.5	dB
	40.75MHz	25.0	34.0		dB
	41.31MHz	0.5	2.0	3.5	dB
	41.43MHz	-0.7	0.8	2.3	dB
	41.60MHz	-1.3	0.2	1.7	dB
	46.40MHz	-1.3	0.2	1.7	dB
	46.57MHz	-0.8	0.7	2.2	dB
	46.69MHz	0.3	1.8	3.3	dB
	47.25MHz	25.0	35.0		dB
Lower sidelobe					
	35.00MHz-39.10MHz	33.0	42	-	dB
	39.10MHz-40.35MHz	27.0	32	-	dB
Upper sidelobe					
	47.65MHz-48.65MHz	23.0	30	-	dB
	48.65MHz-55.00MHz	30.0	37	-	dB
Reflected Wave Signal Suppression		42.0	52.0	-	dB
Group delay ripple(p-p) (41.31MHz~46.69MHz)		-	30	80	ns
Impedance at 44.06MHz					
Input Impedance		-	1.9 || 22.2	-	KΩ||pF
Output Impedance			6.1 ||5.7		KΩ||pF
Temperature Coefficient of frequency		-	-18.0	-	ppm/K

C. Frequency Characteristics :

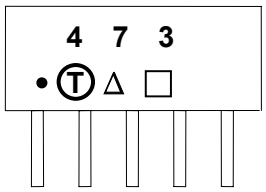
1. S21 Response: (span 20MHz)

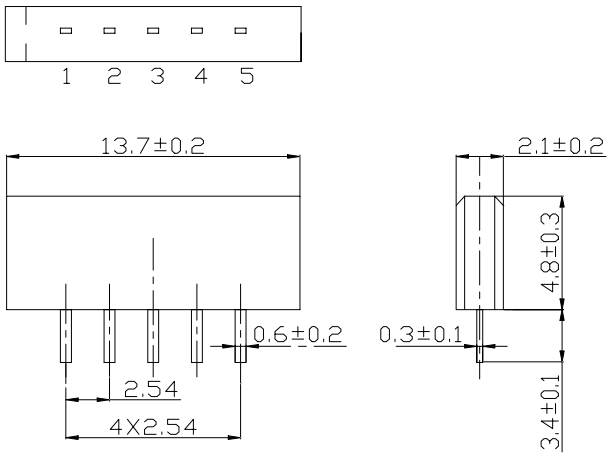


D. TEST CIRCUIT:



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	B	b