



# TAI-SAW TECHNOLOGY CO., LTD.

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## Approval Sheet For Product Specification

Issued Date:

Product Name: SAW IF Filter 36.125MHz for Digital Cable TV

TST Parts No.: TB0244A ( package 16.3 mm x 4 mm )

Customer Parts No.: \_\_\_\_\_

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

Checked by: \_\_\_\_\_ Andy Lee

Approval by: \_\_\_\_\_ Francis Chen

Date: \_\_\_\_\_ 01,10 ,2006



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## IF SAW Filter 36.125 MHz ( package 16.3 mm x 4 mm )

MODEL NO.: TB0244A

REV. NO.:4

### A. FEATURES:

1. IF Filter for Digital Cable TV (RoHS compliant & Pb free)

RoHS Compliant  
 Lead free  
 Lead-free soldering

### B. MAXIMUM RATING:

1. DC voltage: 12 V.
2. Storage Temperature: -40°C to +85 °C.
3. Operating Temperature: -25 °C to +65 °C

### C. ELECTRICAL CHARACTERISTICS:

Characteristic	Units	Minimum	Typical	Maximum
Center frequency, <b>F<sub>o</sub></b>	MHz	-	36.125	-
Insertion Loss, <b>IL</b>	dB	-	28.5	31
Bandwidth -1dB	MHz	-	7.3	-
Bandwidth -3dB	MHz	-	7.8	-
Bandwidth -30dB	MHz	-	9.3	-
Relative attenuation				
32.32MHz	dB	0.5	2.63	3.5
39.93MHz	dB	0.5	1.51	3.5
32.13MHz	dB	3.5	4.8	6.5
40.13MHz	dB	2.2	3.33	5.2
31.25MHz	dB	35	40	-
47.25MHz	dB	42	58	-
Lower Sidelobe (25 ~31.25MHz)	dB	34	40	-
Upper Sidelobe (40.9~50MHz)	dB	30	35	-
Temp.coeff.	ppm/K	-	-72	-

Note: Performance is based on below test circuit and will change on different test circuit.

### D. FREQUENCY CHARACTERISTICS:

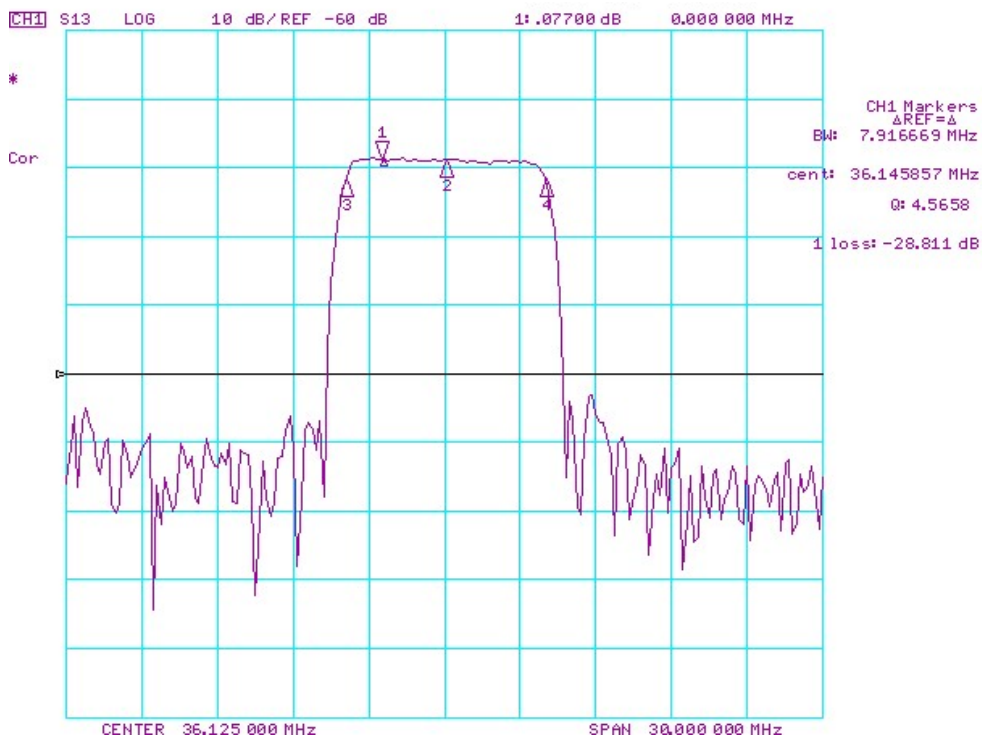
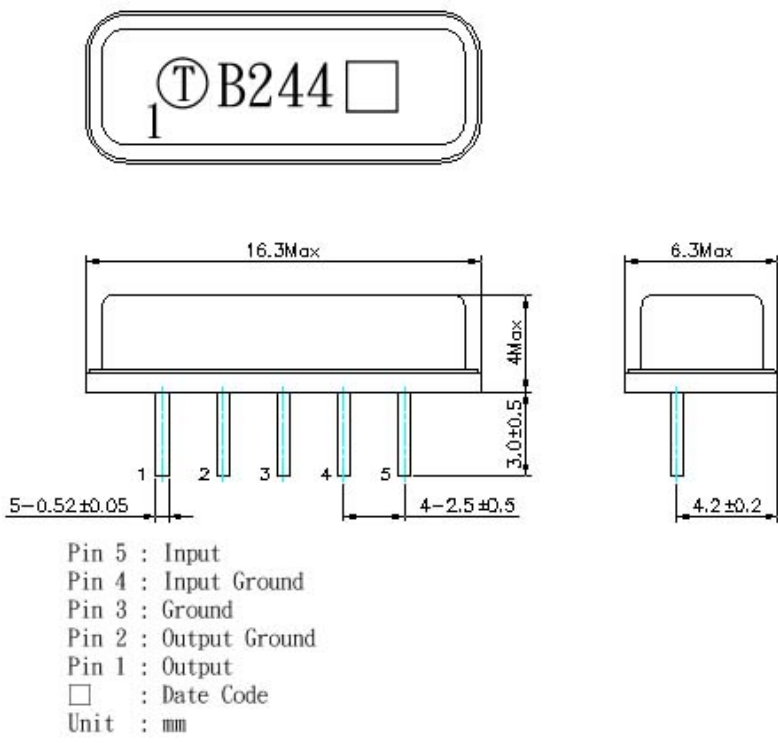


Figure-1 S21 Response(Wide Band/Span=30MHz)



Figure-2 S21 Response(Pass Band/Span=10MHz)

E. OUTLINE DRAWING:



F. TEST CIRCUIT

