



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.: TB0257A (package 16.3 mm x 4 mm)

Customer Parts No.: _____

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Andy Lee

Approval by: _____ Francis Chen

Date: _____ 3,31 ,2004



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

MODEL NO.: TB0257A

REV. NO.:1

A. FEATURES:

1. IF Filter for Digital Cable TV

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, F_o	MHz	-	36.125	-
Insertion Loss, IL	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	32	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:

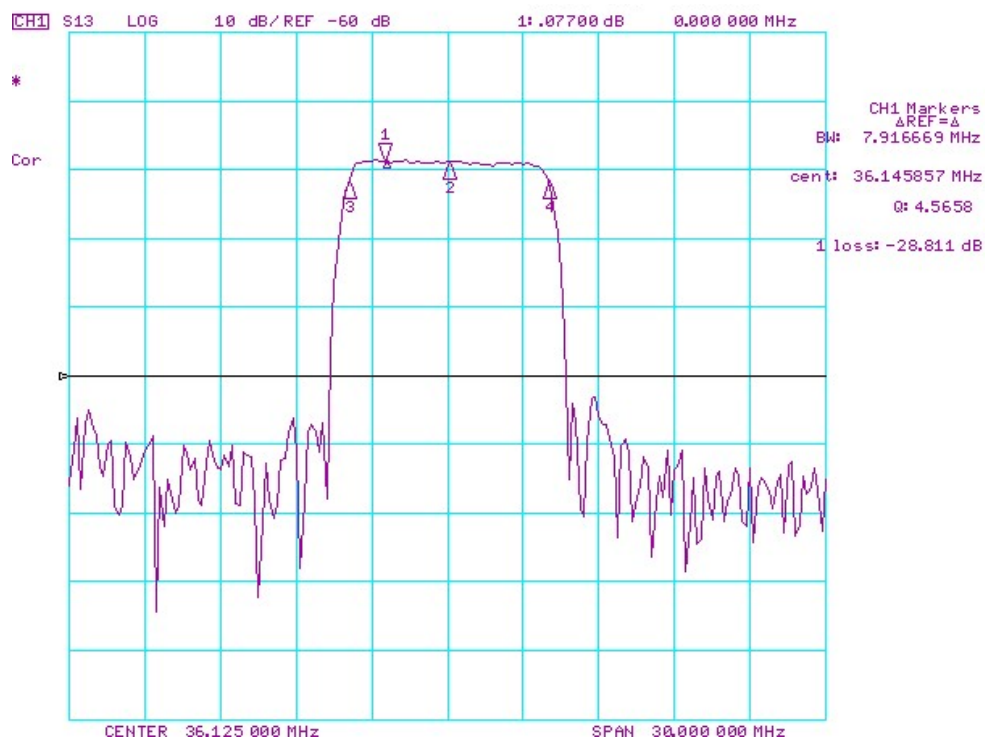


Figure-1 S21 Response(Wide Band/Span=30MHz)

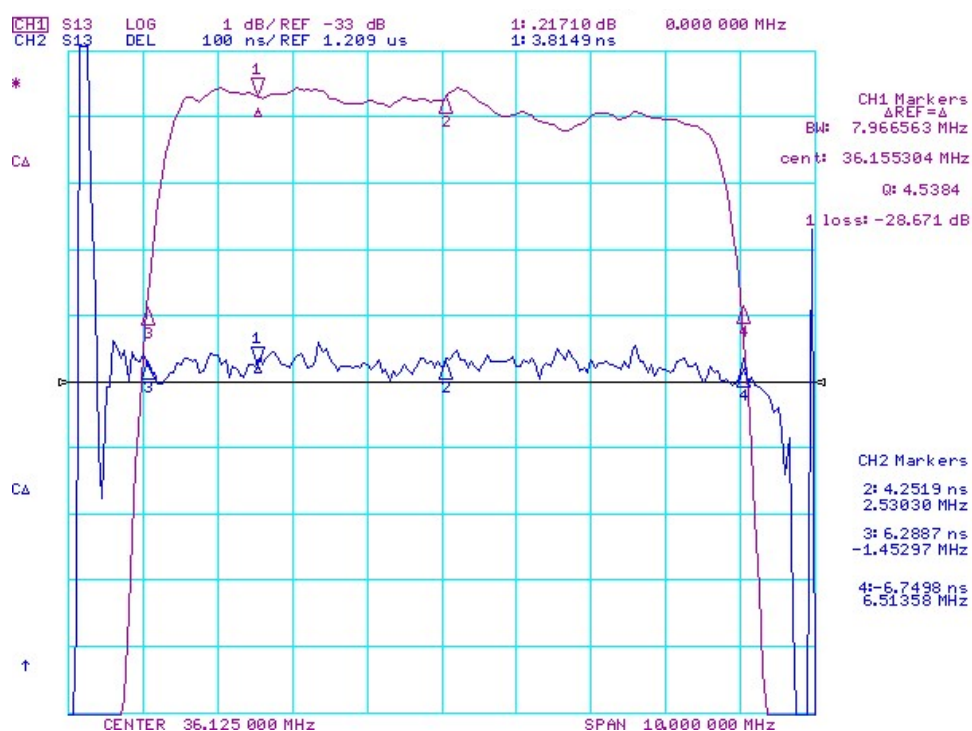
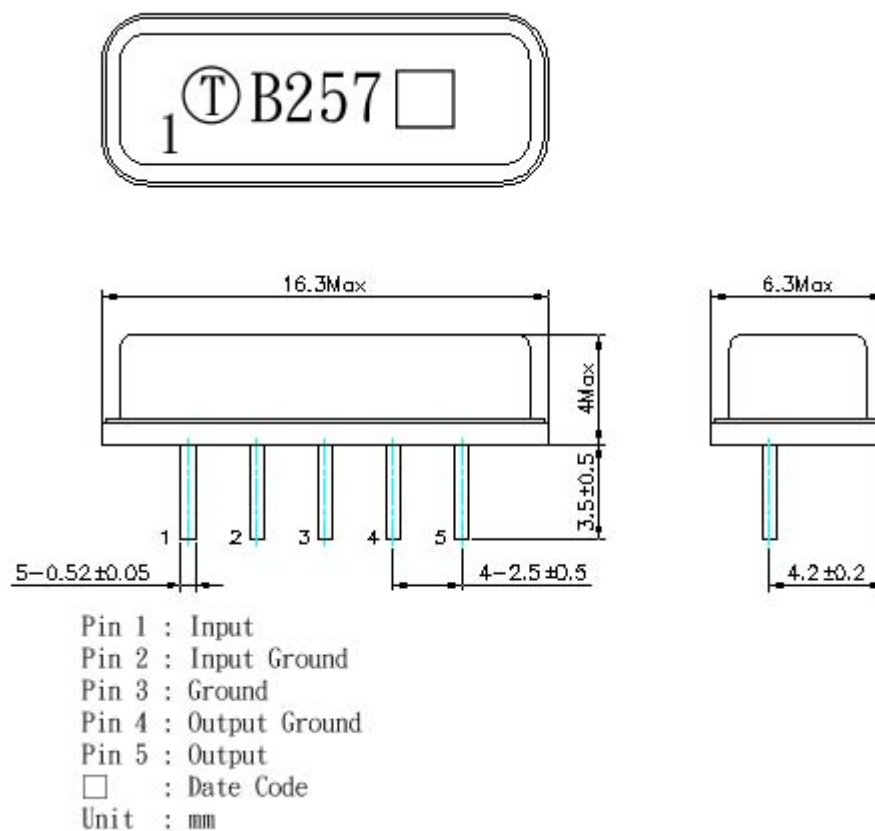


Figure-2 S21 Response(Pass Band/Span=10MHz)

E. OUTLINE DRAWING:



F.TEST CIRCUIT

