

**SAW Filter 36.125MHz**  
**Part No: MA09728**

**Model: TB0257A**  
**Rev No: 1**

**A. FEATURES:**

IF Filter for Digital Cable TV

**B. MAXIMUM RATING:**

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

**C. ELECTRICAL CHARACTERISTICS:**

Characteristics	Units	Min.	Typ.	Max.
Center frequency Fc	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.

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**D. FREQUENCY CHARACTERISTICS:**

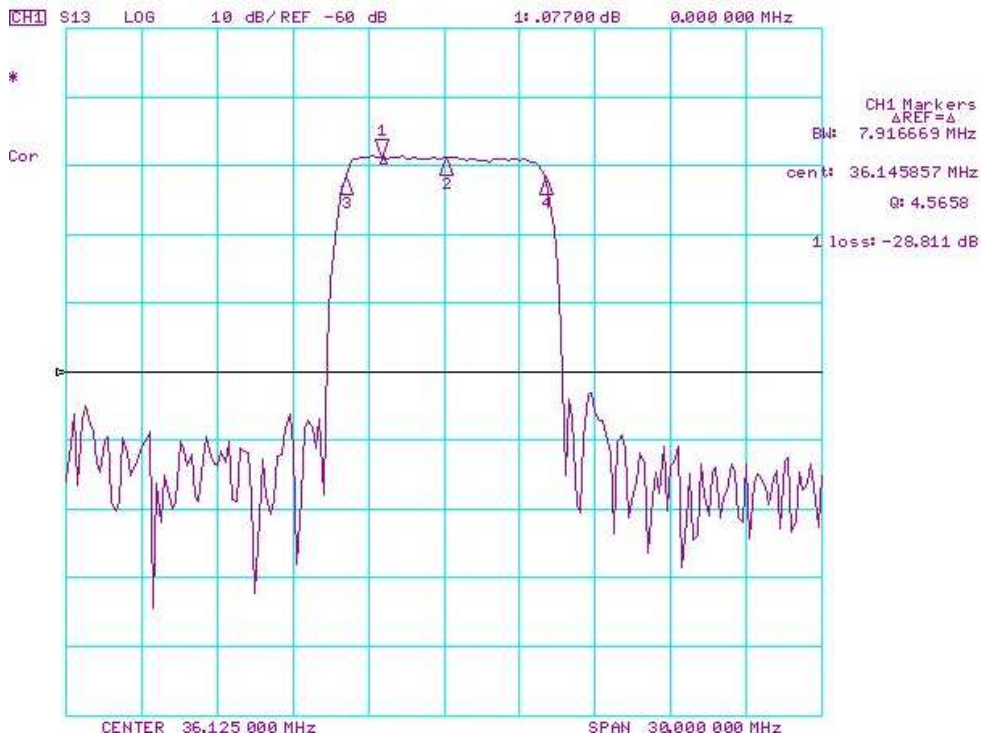


Fig 1. S21 Response (Wide Band/Span = 30MHz)

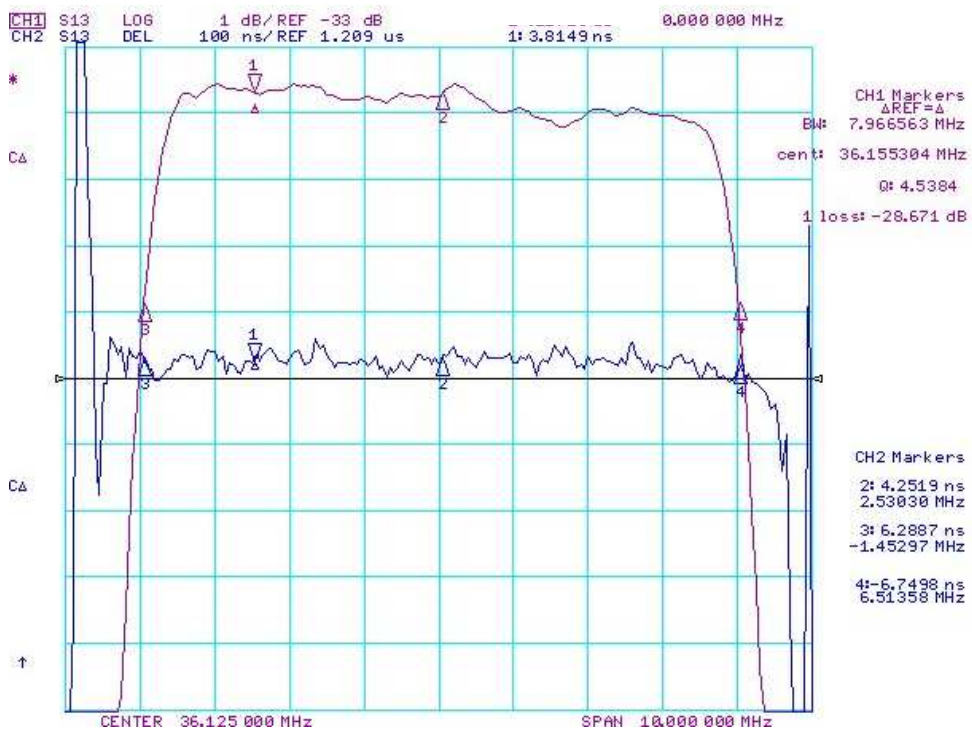
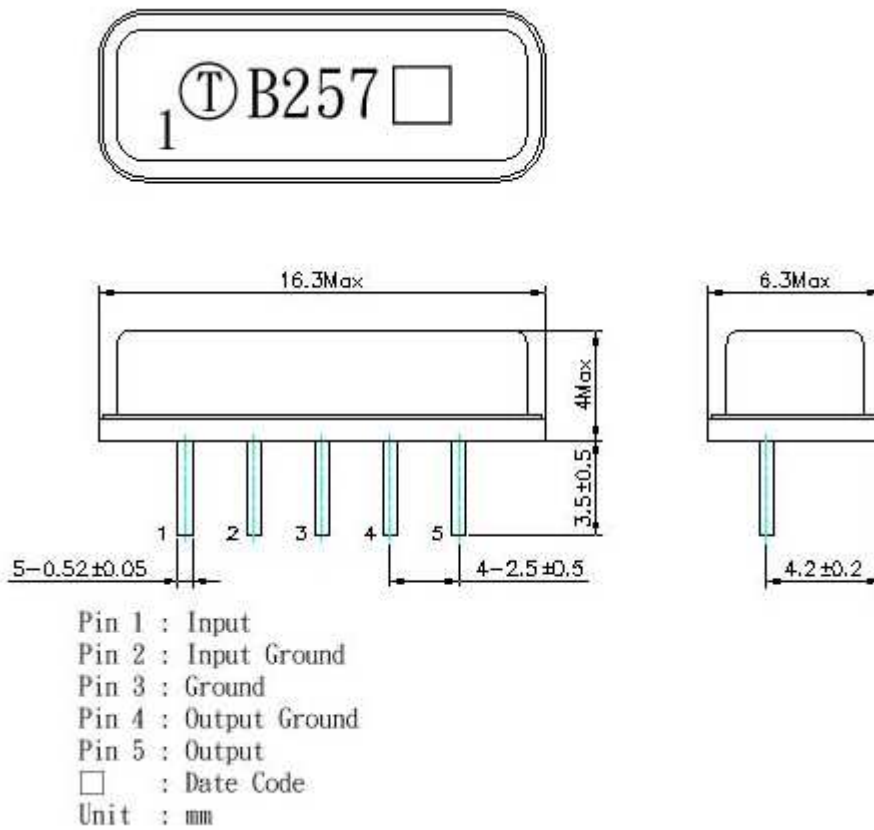


Fig 2. S21 Response (Pass Band/Span = 10MHz)

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**E. OUTLINE DRAWING:**



**F. TEST CIRCUIT:**

