



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
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Approval Sheet For Product Specification

Issued Date: Nov, 24, 2006

Product Name: SAW Filter 78 MHz SMD 13.3x6.5 mm

TST Parts No.:TB0444A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Bob Chau

Approval by:_____ Francis Chen

Date:_____ 11, 24, 2006



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SAW Filter 78MHz

MODEL NO.:TB0444A

REV. NO.:1

A. MAXIMUM RATING:

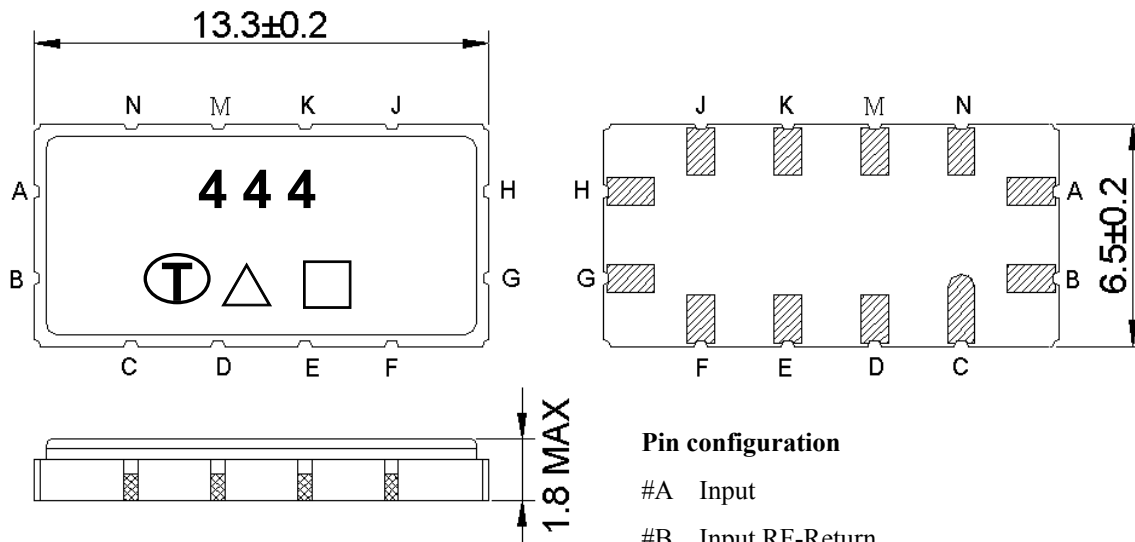
1. Input Power Level: 10 dBm
2. DC Voltage : 5V
3. Operating Temperature: -20°C to 70°C
4. Storage Temperature: -40°C to 85°C

RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Type.	Max.	Note
Center frequency, F_c	MHz	-	78	-	-
Insertion Loss at F_c (-30 to +85°C) IL	dB	-	3.1	8	-
Insertion Loss at F_c (-10 to +65°C) IL			2.9	5.5	
Passband Ripple (F_c±7.5KHz)	dB	-	0.05	0.6	-
Absolute Group Delay at F_c	μs	-	15	25	-
Group Delay Variation (F_c±7.5KHz), GD	μs	-	1.5	10	-
Attenuation:					
F_c - 10 to F_c - 1 MHz	dB	35	65	-	-
F_c + 1 to F_c + 10 MHz	dB	35	40	-	-

C.OUTLINE DRAWING:



Pin configuration

#A Input

#B Input RF-Return

#G Output

#H Output RF-Return

#C,D,E,F,J,K,M,N To be grounded

□ Date code (Follow the table from planner each year)

△ Year Code

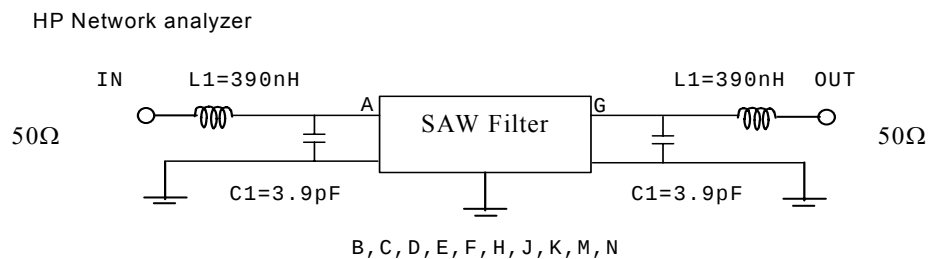
Unit mm

Product Year Code

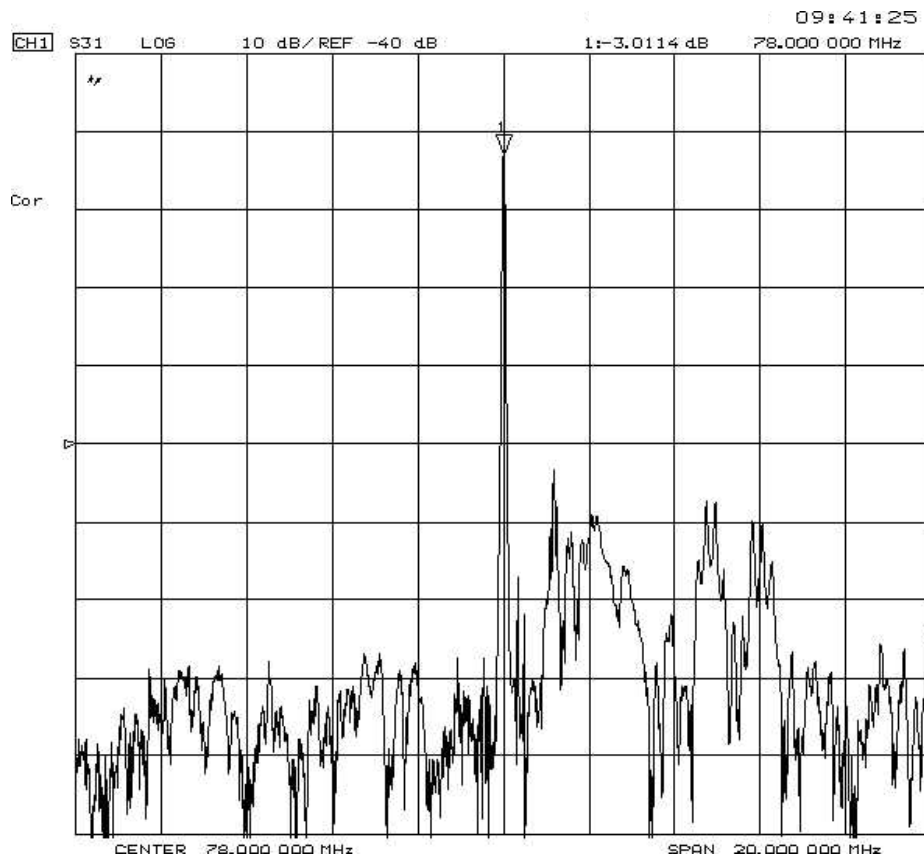
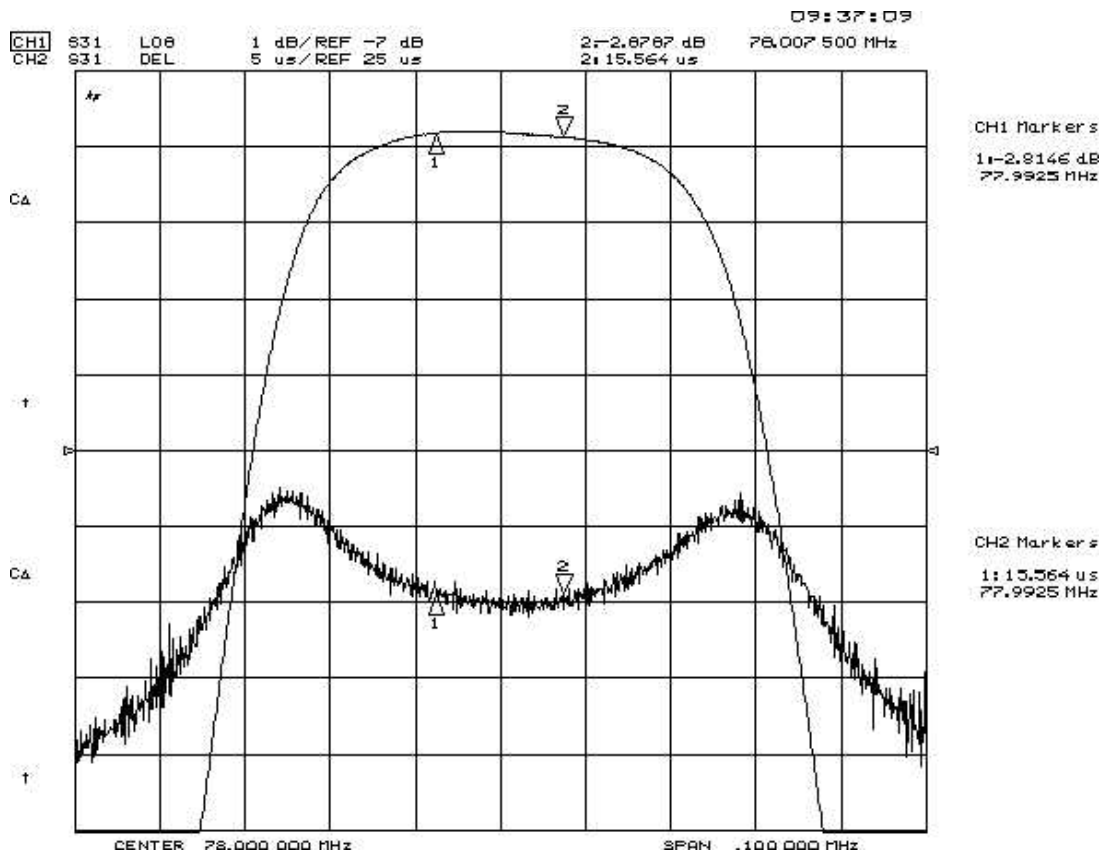
Year	2001 2005	2002 2006	2003 2007	2004 2008
Product Code	B	b	<u>B</u>	<u>b</u>

D. MEASUREMENT CIRCUIT:

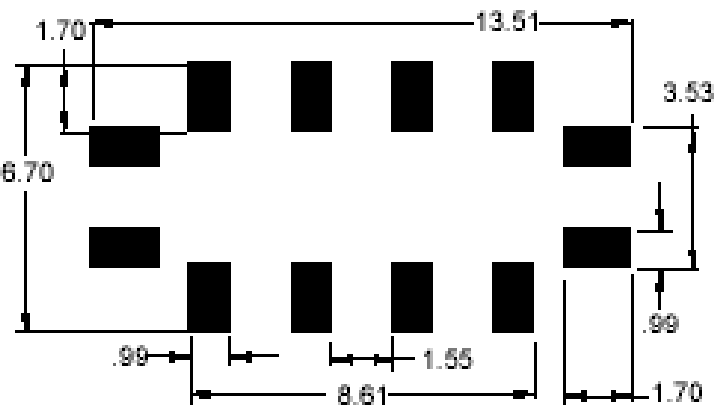
50 Ohm Test circuit (single-ended / single-ended)



E. Frequency Characteristics :



F. PCB Footprint:

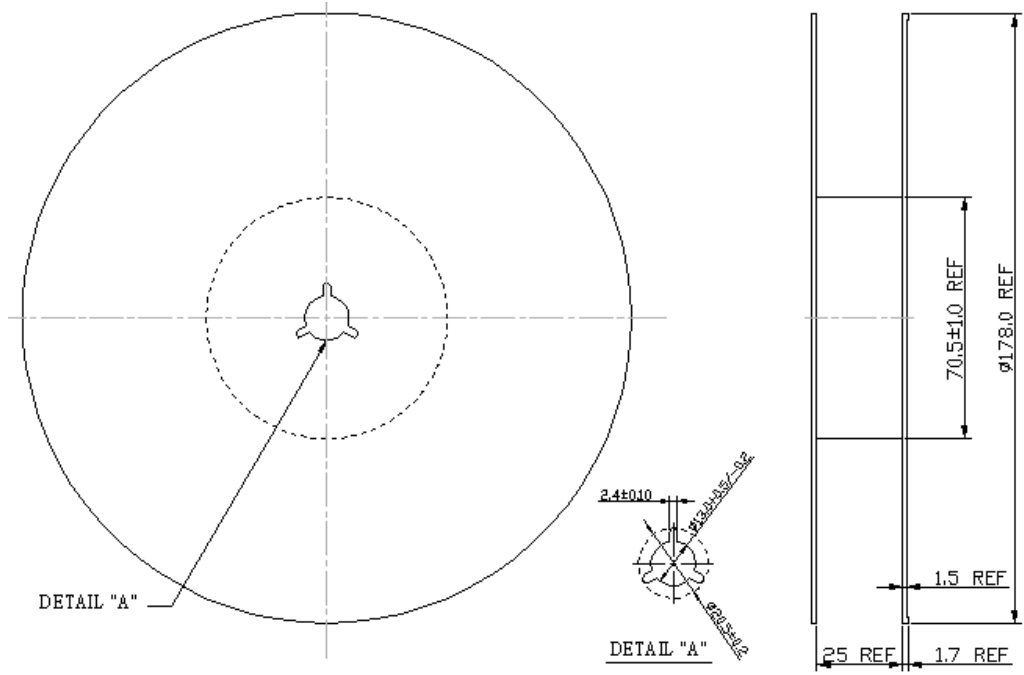


G. PACKING:

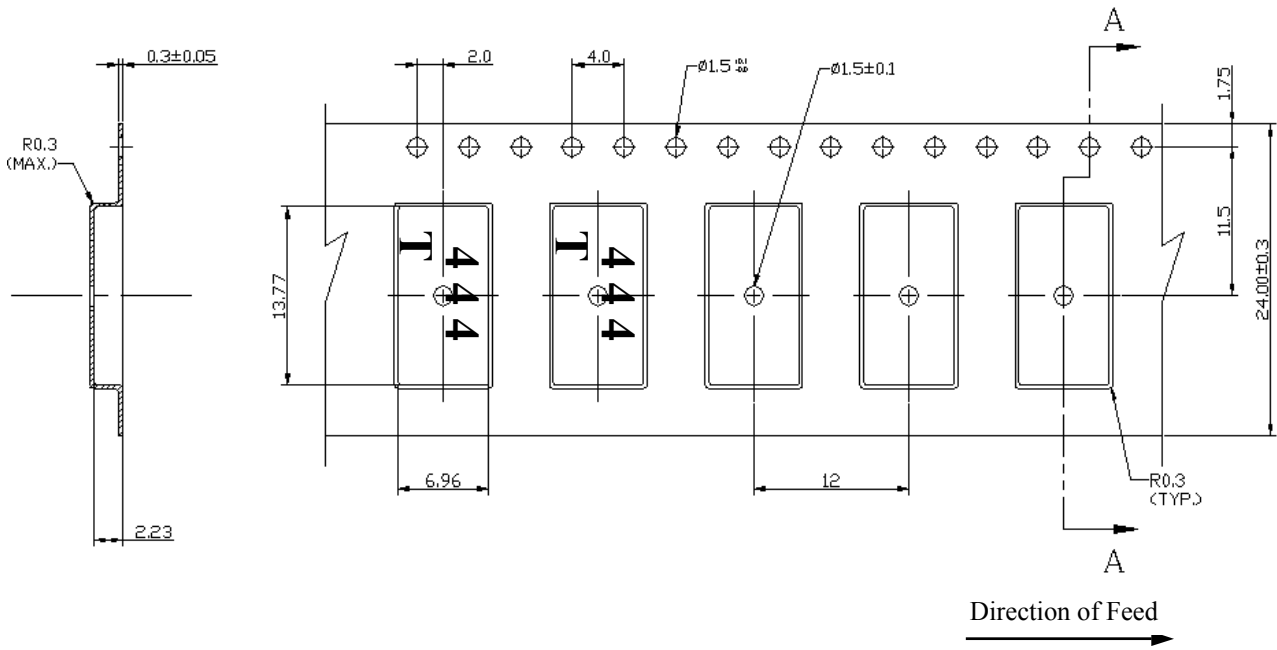
1. REEL DIMENSION

G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

