



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:

Product Name: SAW Filter 159.0125MHz SMD 7.0×5.0 mm

TST Parts No.:TA0289A

Customer Parts No.:_____

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

Checked by: _____ Bob Chau

Approval by: _____ Francis Chen

Date: _____ 2006/08/24



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SAW Filter 159.0125 MHz

MODEL NO.: TA0289A

REV. NO.:2

A. MAXIMUM RATING:

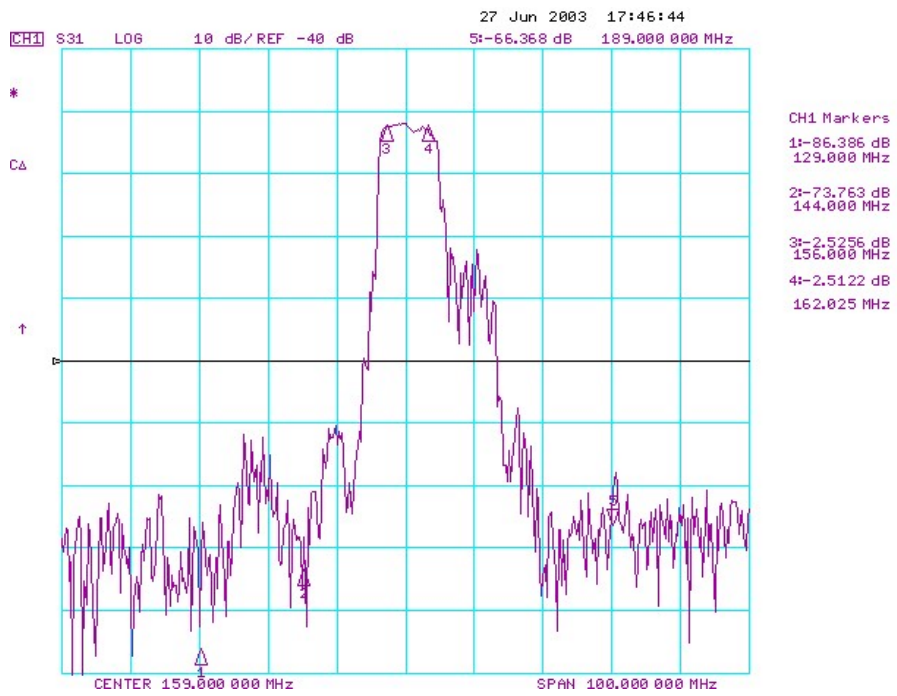
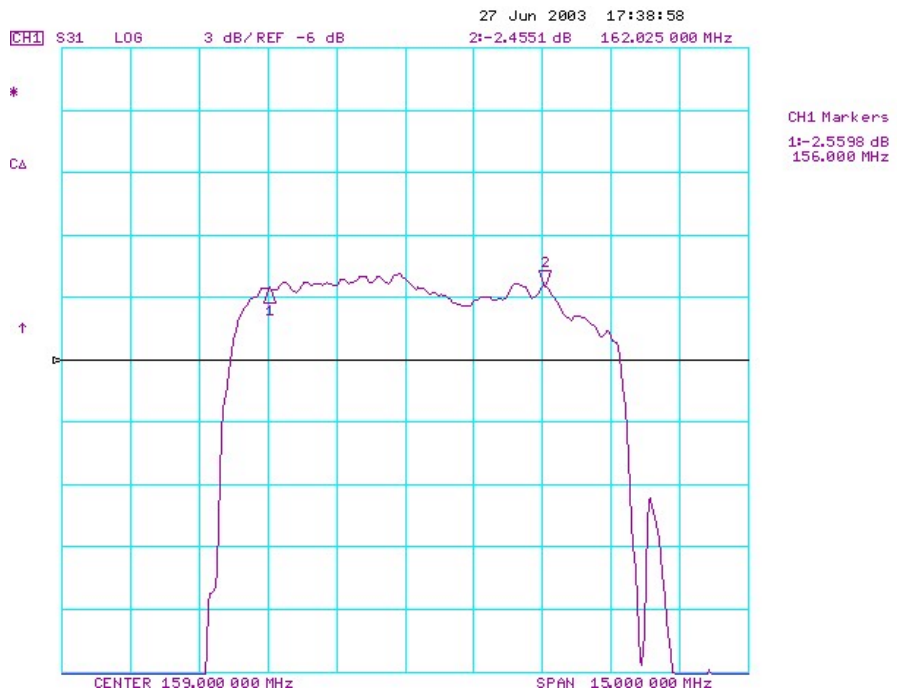
1. Input Power Level: 10 dB_m
2. DC voltage: 5 V
3. Operating Temperature: -25°C to +70°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

Item		Specification			
		Unit	Min.	Typ.	Max.
Center Frequency	F _c	MHz	-	159.0125	-
Insertion Loss	IL _{min} (reference level)	dB	-	1.85	2.8
Bandwidth	BW _{-3dB}	MHz	6.025	8.2	-
Absolute Attenuation(reference to IL _{min} dB)					
F _c -50 ~ F _c -30	MHz	dB	42	57	-
F _c -30 ~ F _c -15	MHz	dB	36	43	-
F _c +30 ~ F _c +50	MHz	dB	42	57	-
Source impedance	Z _s	Ω	-	50	-
Load impedance	Z _L	Ω	-	50	-

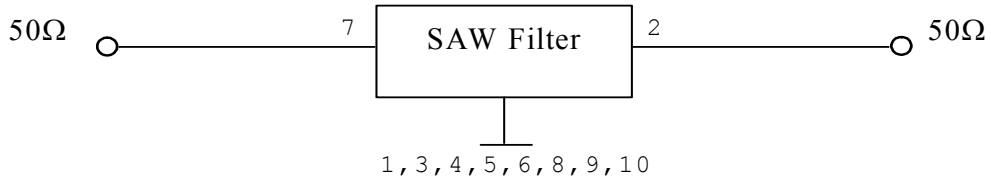
Note: IL_{min} is the minimum of the pass band attenuation. The center frequency F_c is the mean value of the upper and lower frequencies at the 3dB filter attenuation level relative to the IL_{min}.

C. Frequency Characteristics :

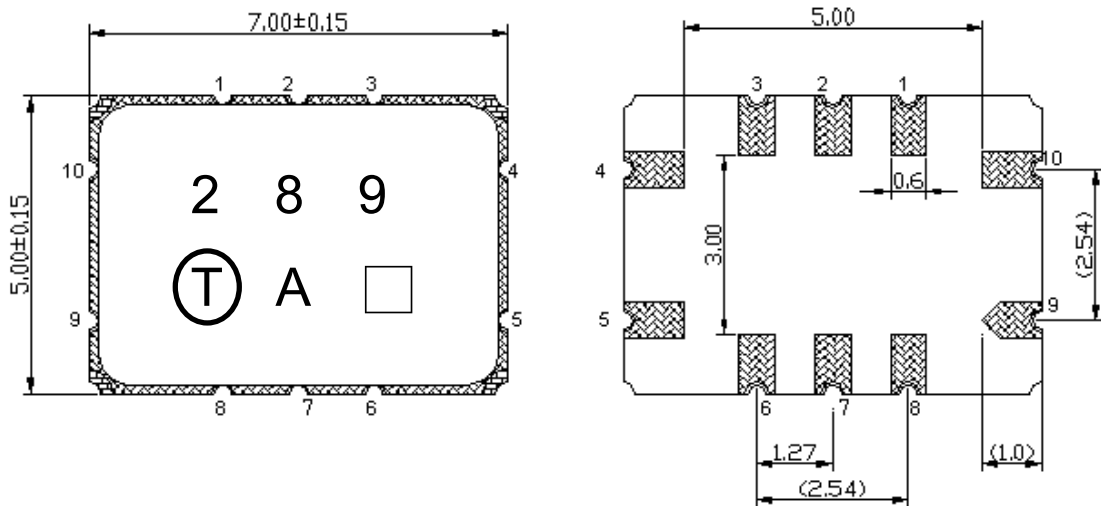


D. MEASUREMENT CIRCUIT:

HP Network analyzer



E. OUTLINE DRAWING:



Pin configuration:

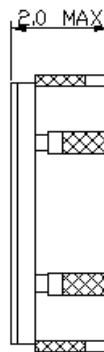
7: Input

2: Output

1,3,4,5,6,8,9,10: Ground

□ : Date Code

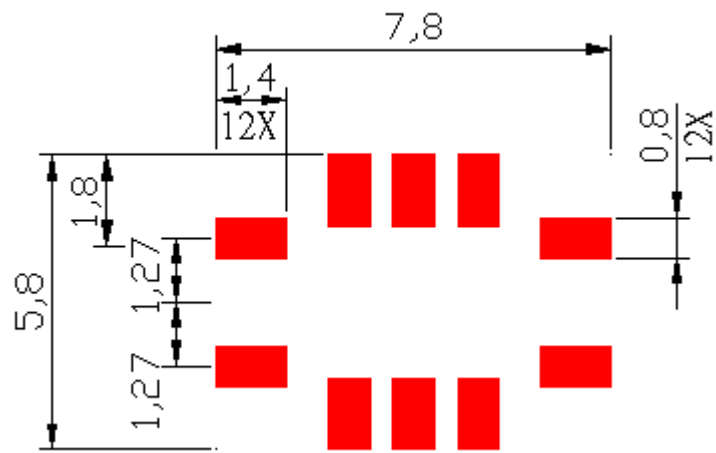
Unit: mm



Product Year Code

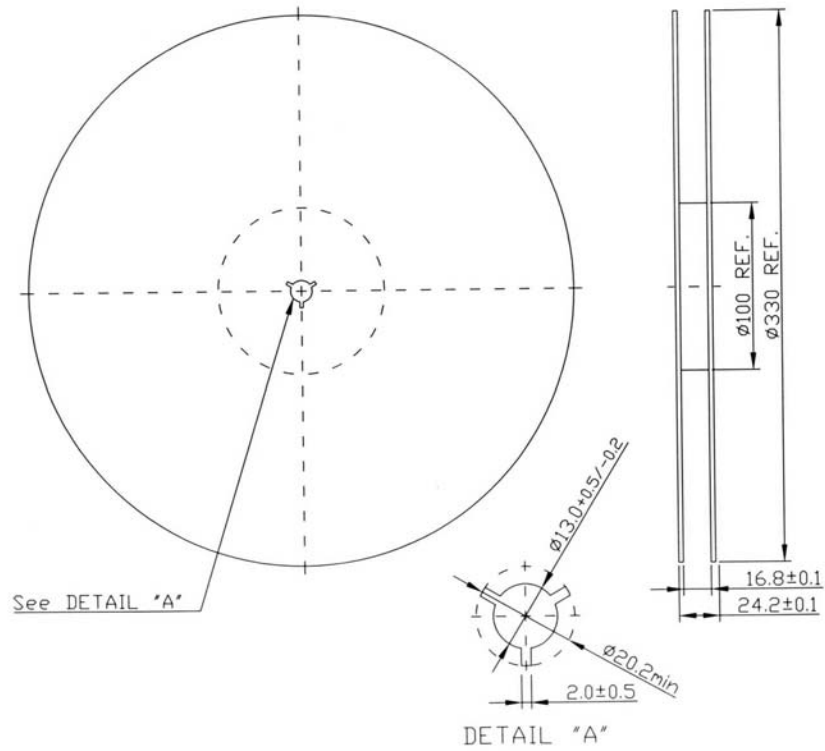
Year	2001 2005	2002 2006	2003 2007	2004 2008
Product Code	A	a	Ⓐ	Ⓐ

F. PCB Footprint :

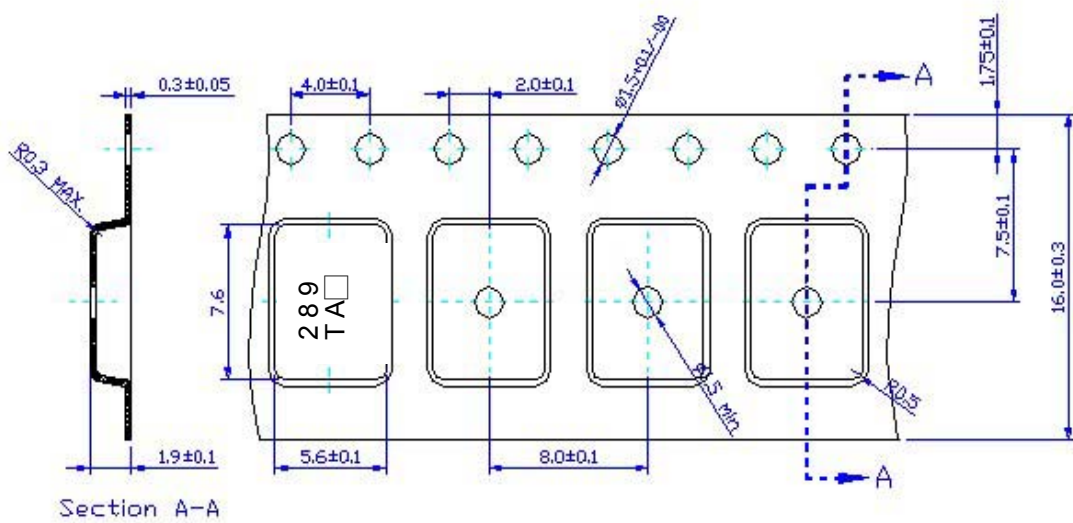


G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

