

TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.

TEL: 886-3-4690038 FAX: 886-3-4697592

E-mail: tetsales@mail.taisaw.com Web: www.taisaw.com

Approval Sheet For Product Specification

Issued Date: Oct . 31 . 2008

Product Name: SAW Filter 159.0125MHz SMD 7.0x5.0 mm

TST Parts No.:TA0942A

Customer Parts No.: _____

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

Checked by: Anne Chen 

Approval by: Francis Chen 

Date: 2008/10/31



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SAW Filter 159.0125 MHz

MODEL NO.: TA0942A

REV. NO.:1

A. MAXIMUM RATING:

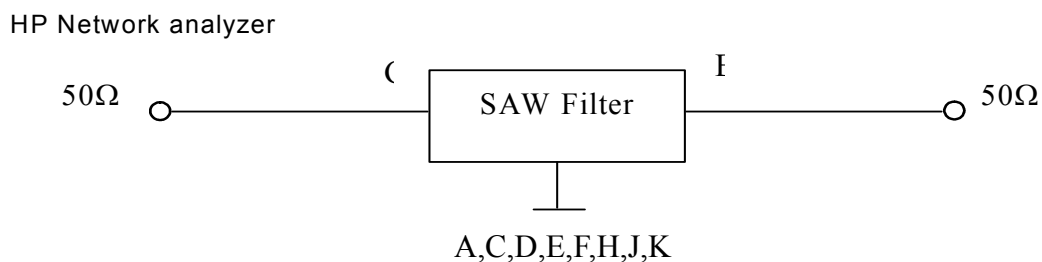
1. Input Power Level: 10 dB_m
2. DC voltage: 5 V
3. Operating Temperature: -40°C to +70°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

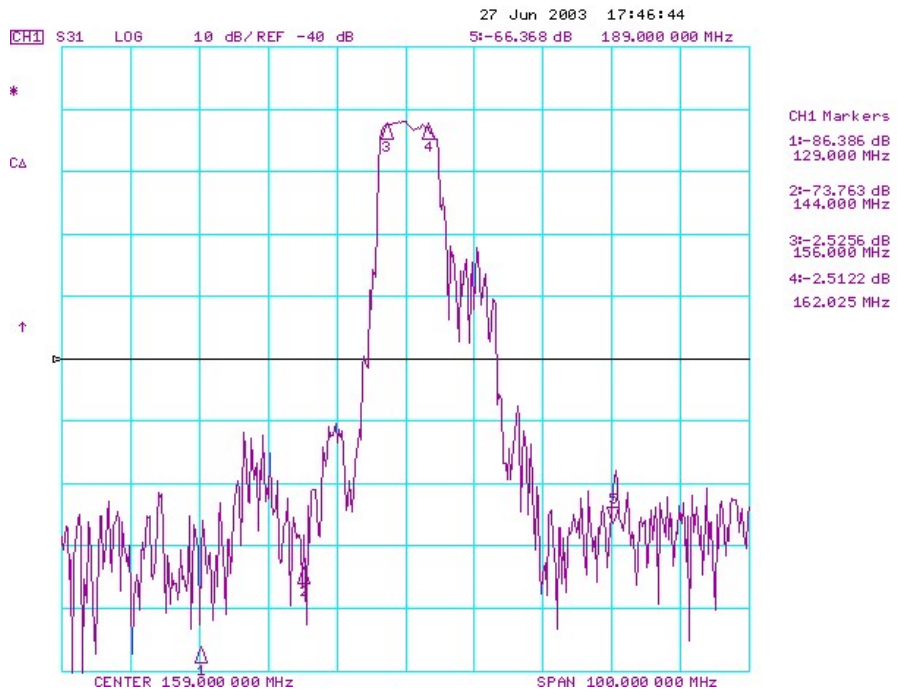
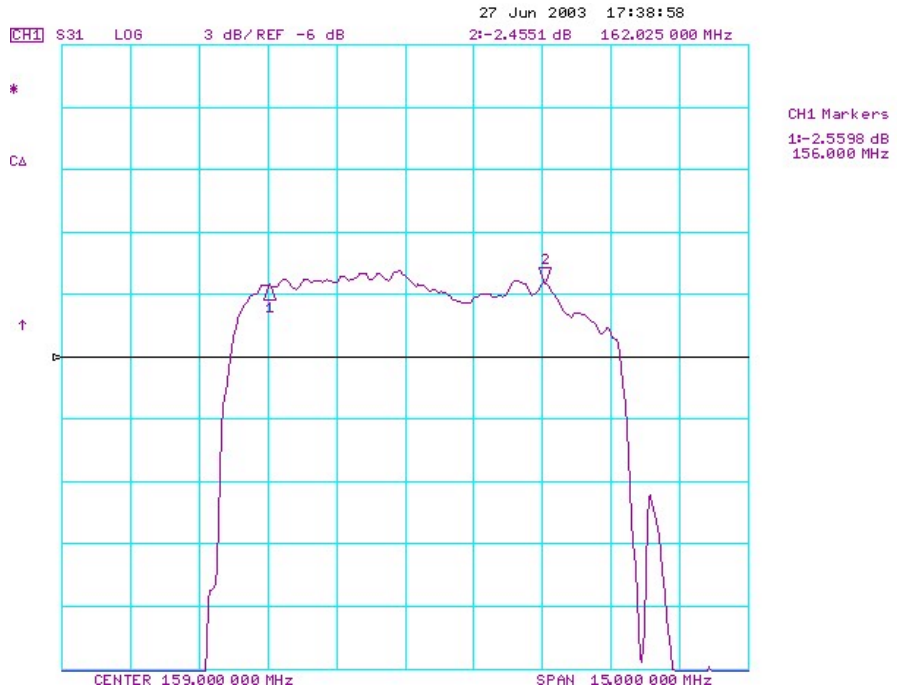
Item		Specification			
		Unit	Min.	Typ.	Max.
Center Frequency	F _c	MHz	-	159.0125	-
Insertion Loss	IL _{min} (reference level)	dB	-	1.85	2.8
Bandwidth	BW _{-3dB}	MHz	6.025	8.2	-
Absolute Attenuation(reference to IL _{min} dB)					
F _c -50 ~ F _c -30	MHz	dB	42	57	-
F _c -30 ~ F _c -15	MHz	dB	36	43	-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

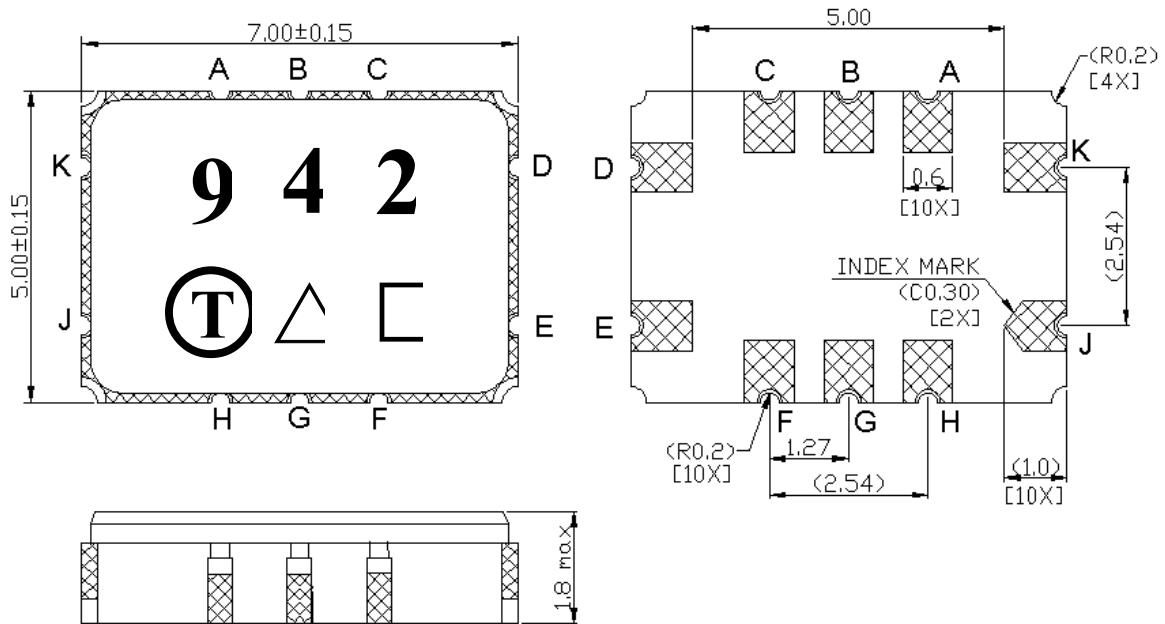
MEASUREMENT CIRCUIT:



C. Frequency Characteristics :



D. OUTLINE DRAWING:



Pin configuration

#G : Input

#B : Output Unit : mm

#A,C,D,E,F,H,J,K : grounded

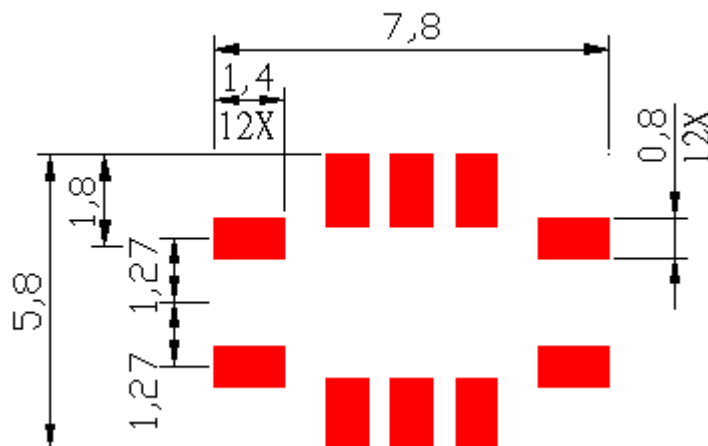
\triangle =Year Code

\square =Date Code

Product Year Code

Year	2001	2002	2003	2004
	2005	2006	2007	2008
Product Code	A	a	<u>A</u>	<u>a</u>

F. PCB Footprint :



H. RECOMMENDED REFLOW PROFILE :

