



TAI-SAW TECHNOLOGY CO., LTD.

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Approval Sheet For Product Specification

Issued Date:

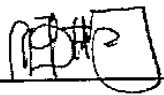
Product Name: SAW FILTER 1090 MHz

TST Parts No.: TA0970A

Customer Parts No.: _____

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

Checked by: Anne Chen 陳秀宜

Approval by: Francis Chen 

Date: 4.30. 2009



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SAW Filter 1090 MHz

MODEL NO.: TA0970A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 20 dB_m
2. DC voltage: 0 V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +85°C

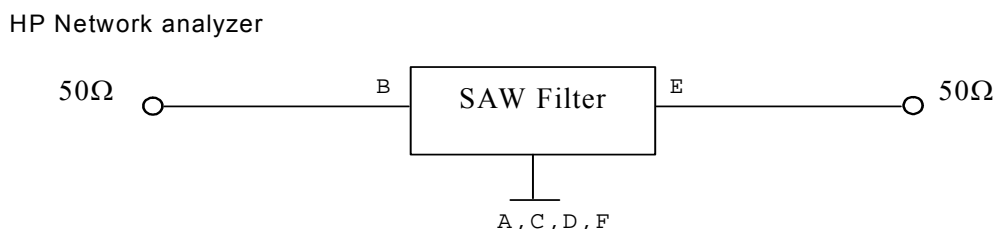
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

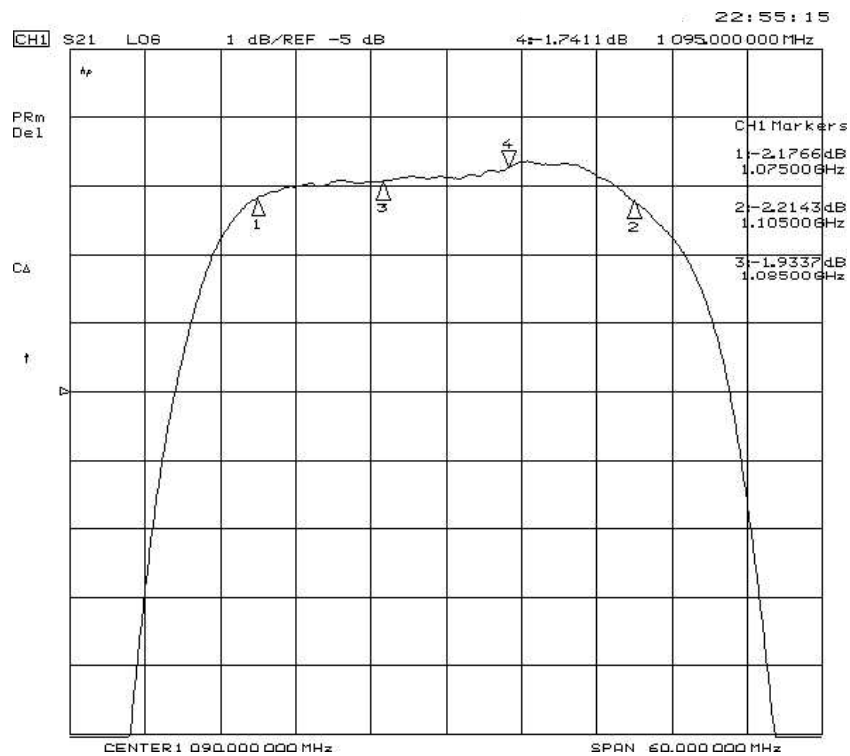
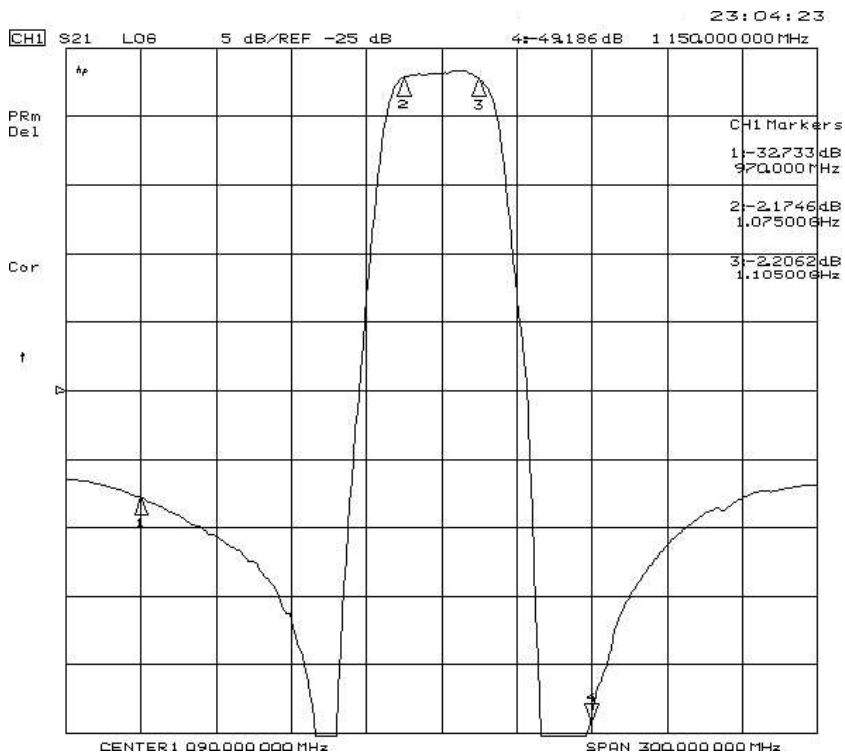
Characteristics	(at 25°C)	Min.	Typ.	Max.
Center frequency	F_c (MHz)	-	1090	-
Insertion loss within 1075 ~1105 MHz	IL (dB)	-	2.3	3.0
Amplitude ripple (p-p) within 1085 ~ 1095 MHz	(dB)	-	0.25	0.5
Attenuation (Reference level from 0 dB)				
DC ~ 970 MHz	(dB)	25.0	30	-
1150 ~ 1300 MHz	(dB)	25.0	33.5	-
VSWR within 1075 ~1105 MHz		-	1.8	2.1
Source impedance	Z_s (Ω)	-	50	-
Load impedance	Z_L (Ω)	-	50	-

Note1. No matching network required for operation at 50 Ω

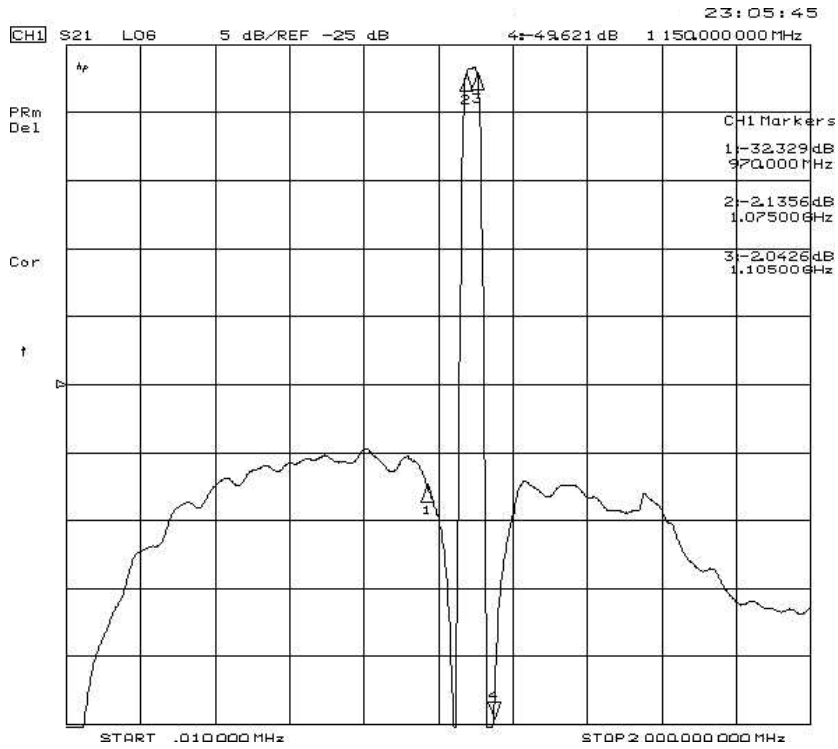
MEASUREMENT CIRCUIT:



C. Frequency Characteristics :



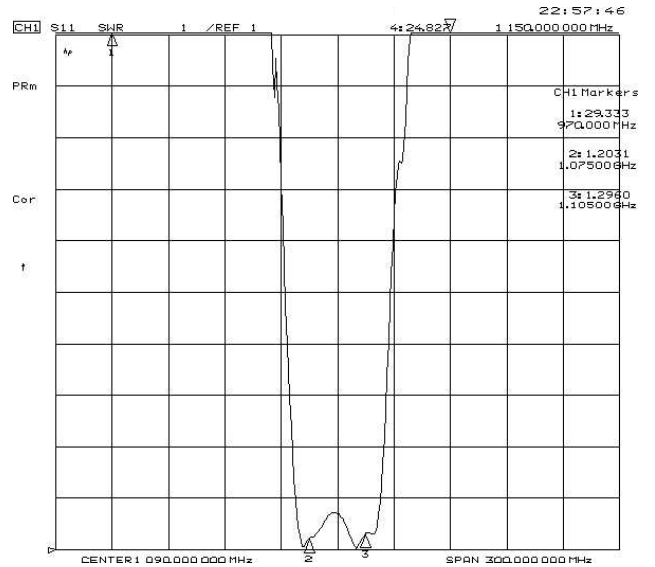
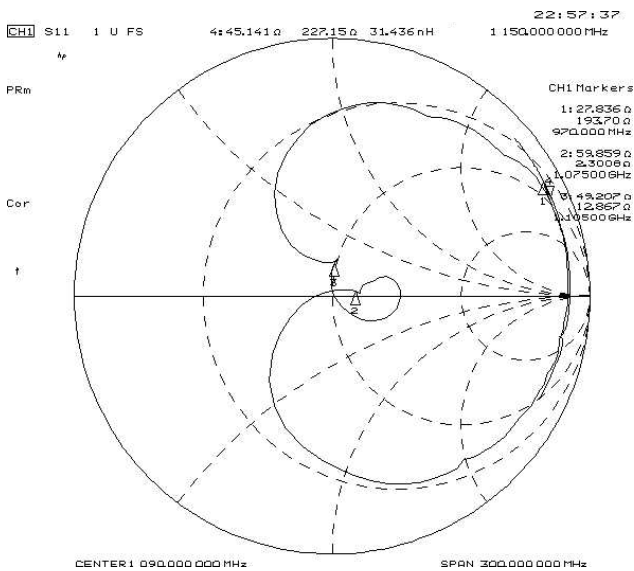
(wideband)



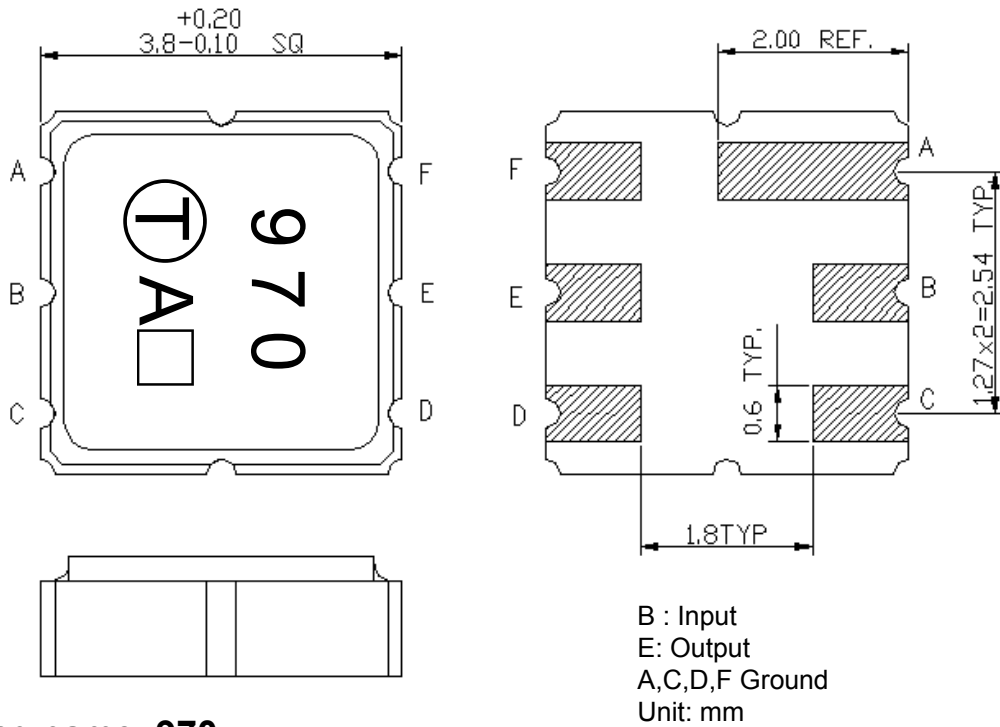
D. Reflections Functions :

Smith Chart

VSWR



E.OUTLINE DRAWING:



Marking name :**970**

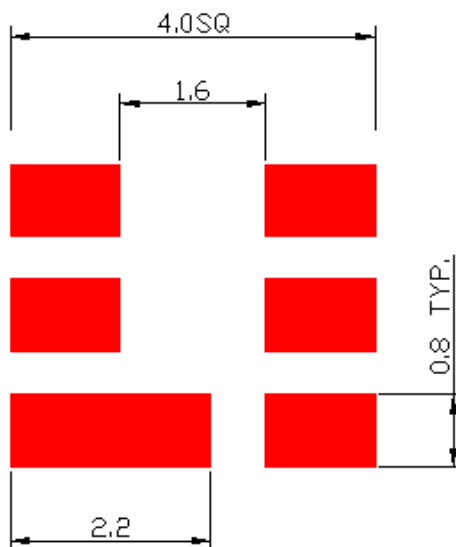
A : Year code

□ : Week code

Product Year Code

Year	2009	2010
	2011	2012
Product Code	A	a

F. PCB Footprint:



H. RECOMMENDED REFLOW PROFILE :

