

TAI-SAW TECHNOLOGY CO., LTD.

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

Product Name: SAW FILTER 1090 MHz

TST Parts No.: TA0970A

Customer Parts No.: _____

Customer signature required


Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Anne Chen 

Approved by: _____ Francis Chen 

Date: _____ 05, 05, 2011

1. Customer signed back is required before TST can proceed with sample build and receive orders.
2. Orders received without customer signed back will be regarded as agreement on the specifications.
3. Any specifications changes must be approved upon by both parties and a new revision of specifications shall be released to reflect the changes.



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SAW Filter 1090 MHz

MODEL NO.: TA0970A

REV. NO.:3.0

A. MAXIMUM RATING:

1. Input Power Level: 20 dB_m
2. DC voltage: 0 V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -55°C to +85°C

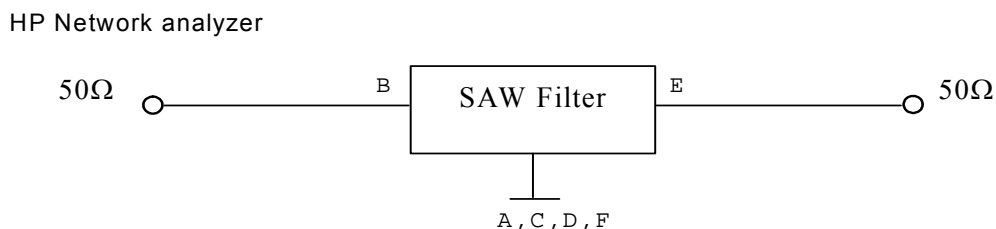
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

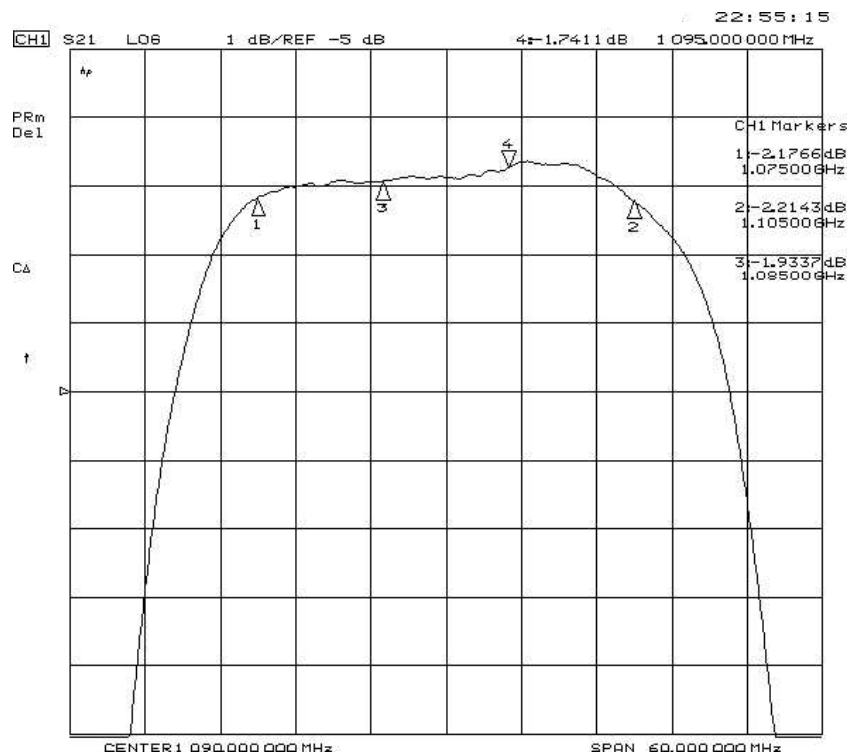
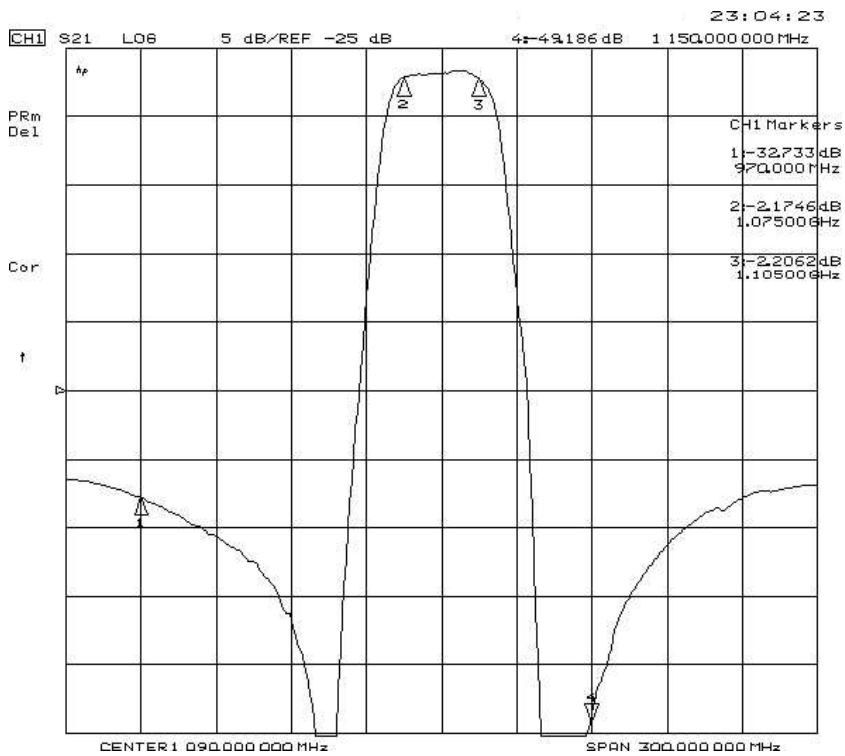
Characteristics	(at 25°C)	Min.	Typ.	Max.
Center frequency	F_c (MHz)	-	1090	-
Insertion loss within 1075 ~1105 MHz	IL (dB)	-	2.3	3.0
Amplitude ripple (p-p) within 1085 ~ 1095 MHz	(dB)	-	0.25	0.5
Attenuation (Reference level from 0 dB)				
DC ~ 970 MHz	(dB)	25.0	30	-
1150 ~ 1300 MHz	(dB)	25.0	33.5	-
VSWR within 1075 ~1105 MHz		-	1.8	2.1
Source impedance	Z_s (Ω)	-	50	-
Load impedance	Z_L (Ω)	-	50	-
Temperature Coefficient of Frequency	ppm/°C	-	-36	-

Note1. No matching network required for operation at 50 Ω

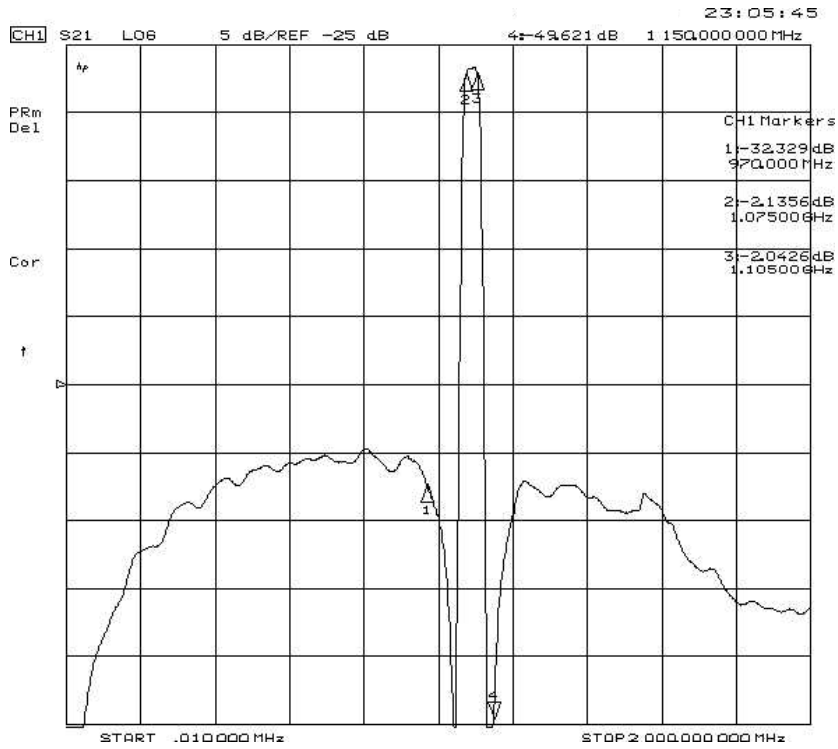
MEASUREMENT CIRCUIT:



C. Frequency Characteristics :



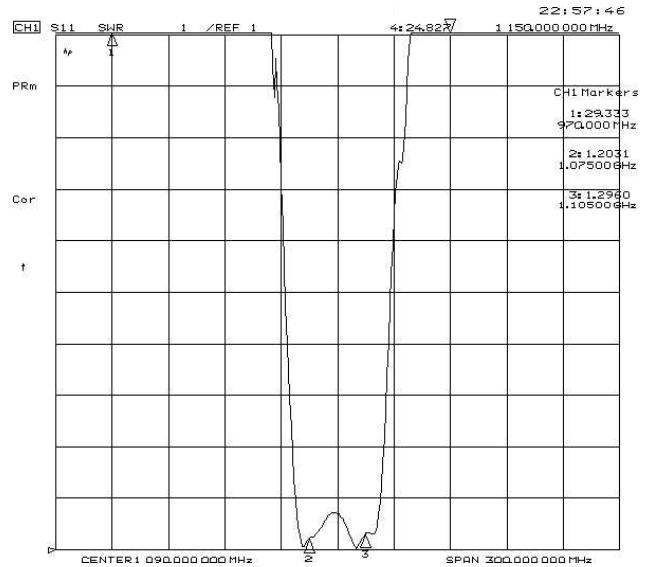
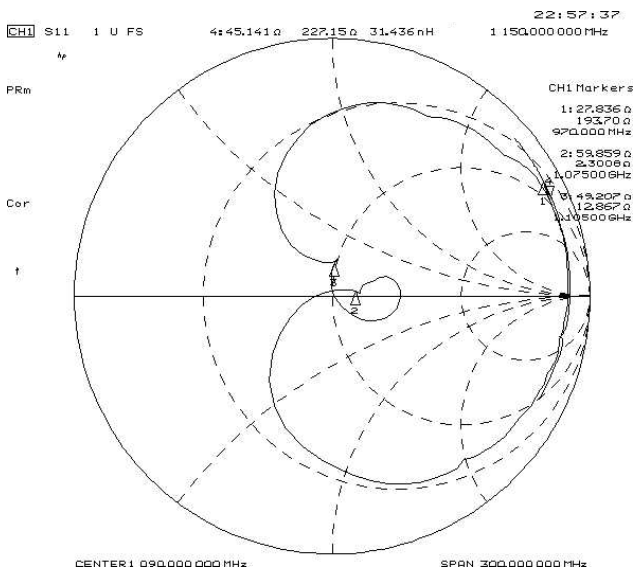
(wideband)



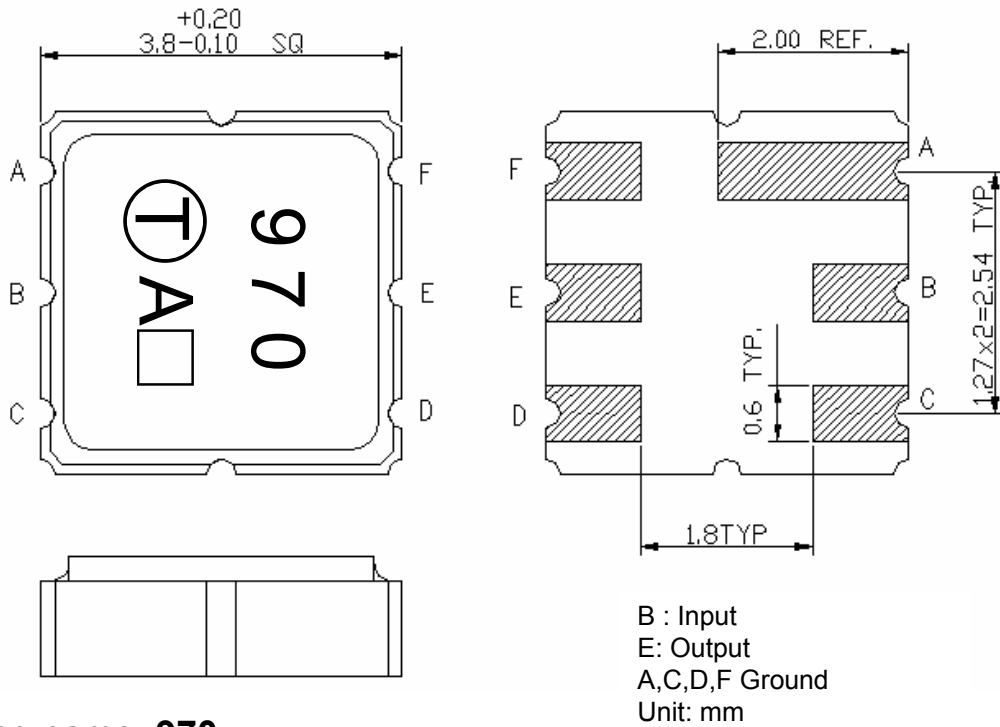
D. Reflections Functions :

Smith Chart

VSWR



E.OUTLINE DRAWING:



Marking name : **970**

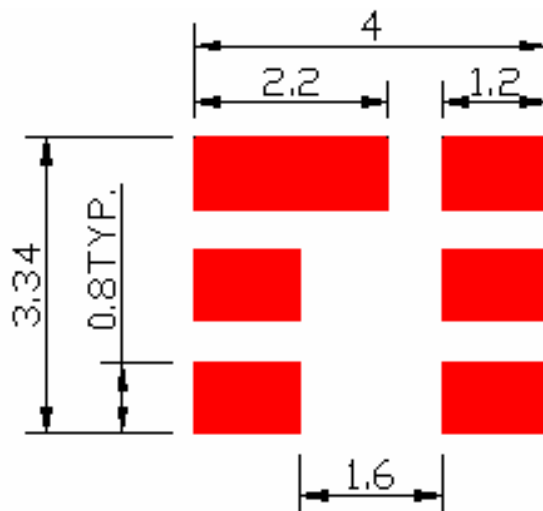
A : Year code

□ : Week code

Product Year Code

Year	2009	2010
	2011	2012
Product Code	A	a

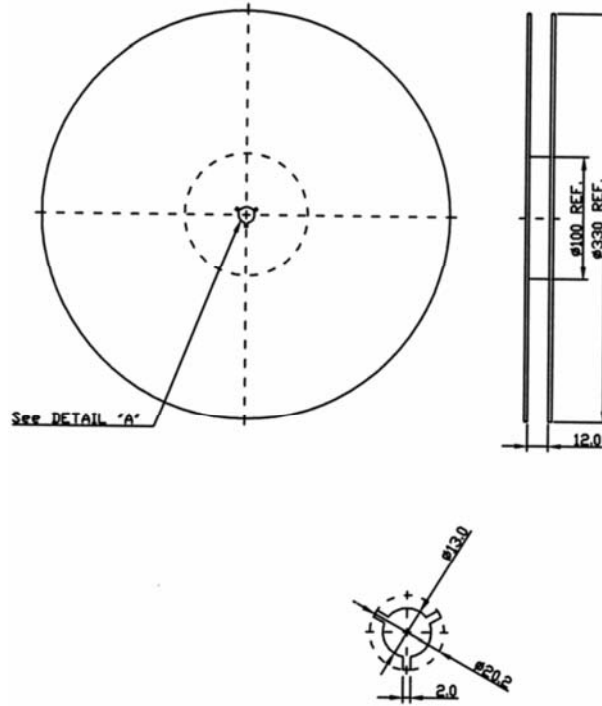
F. PCB Footprint:



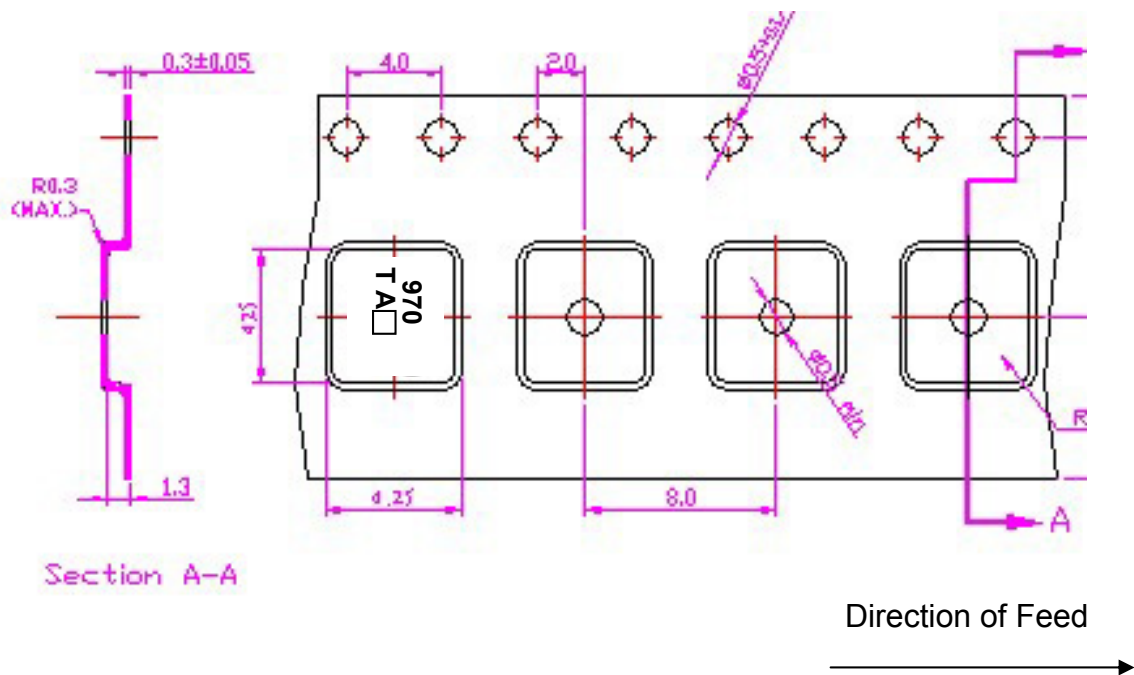
G. PACKING:

1. REEL DIMENSION

(Reel Count : 7"=1000 ; 13"=3000)



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

