TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.
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Approval Sheet For Product Specification

Issued Date: August, 31, 2005

Product Name: SAW Filter 1960 MHz SMD 3X3 mm

TST Parts No.:TA0175H

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____Bob Chau_____

Approval by:_____Francis Chen_____

Date:_____8, 31, 2005_____

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SAW Filter 1960 MHz for Mobile Communication

MODEL NO.: TA0175H REV. NO.:2

A1. MAXIMUM RATING:

RoHS Compliant
Lead free
Lead-free soldering

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

B1. ELECTRICAL CHARACTERISTICS:

Item			Min.	Typ.	Max.
Center frequency	**Fc**	(MHz)	-	1960	-
Insertion loss (1930~1990 MHz)	**IL**	(dB)	-	2.35	4
Amplitude ripple (1930~1990 MHz)		(dB)	-	1.4	2.4
Attenuation (Reference level from 0 dB)					
D.C. ~ 1850 MHz		(dB)	20	32	-
1850 ~ 1910 MHz		(dB)	10	21	-
2010 ~ 2040 MHz		(dB)	4.5	10	-
2040 ~ 2070 MHz		(dB)	20	50	-
2070 ~ 5000 MHz		(dB)	22	29	-
Input/Output VSWR (1930~1990 MHz)			-	1.7	2.05
Source impedance	Zs	(Ω)	-	50	-
Load impedance	Z_L	(Ω)	-	50	-

A2. MAXIMUM RATING:

1.Input Power Level: 10 dB_m

2.DC voltage: 3 V

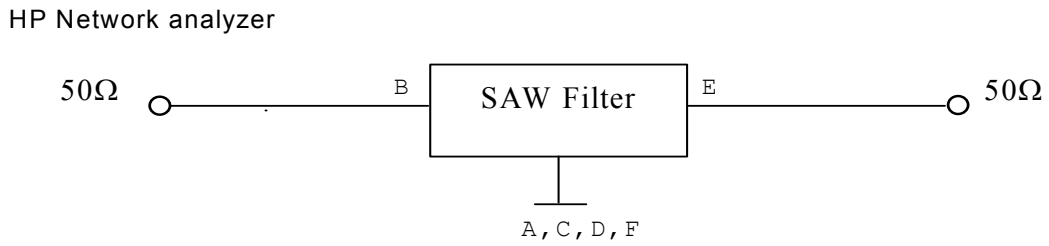
3.Operating Temperature: -30°C to +80°C

4.Storage Temperature: -40°C to +85°C

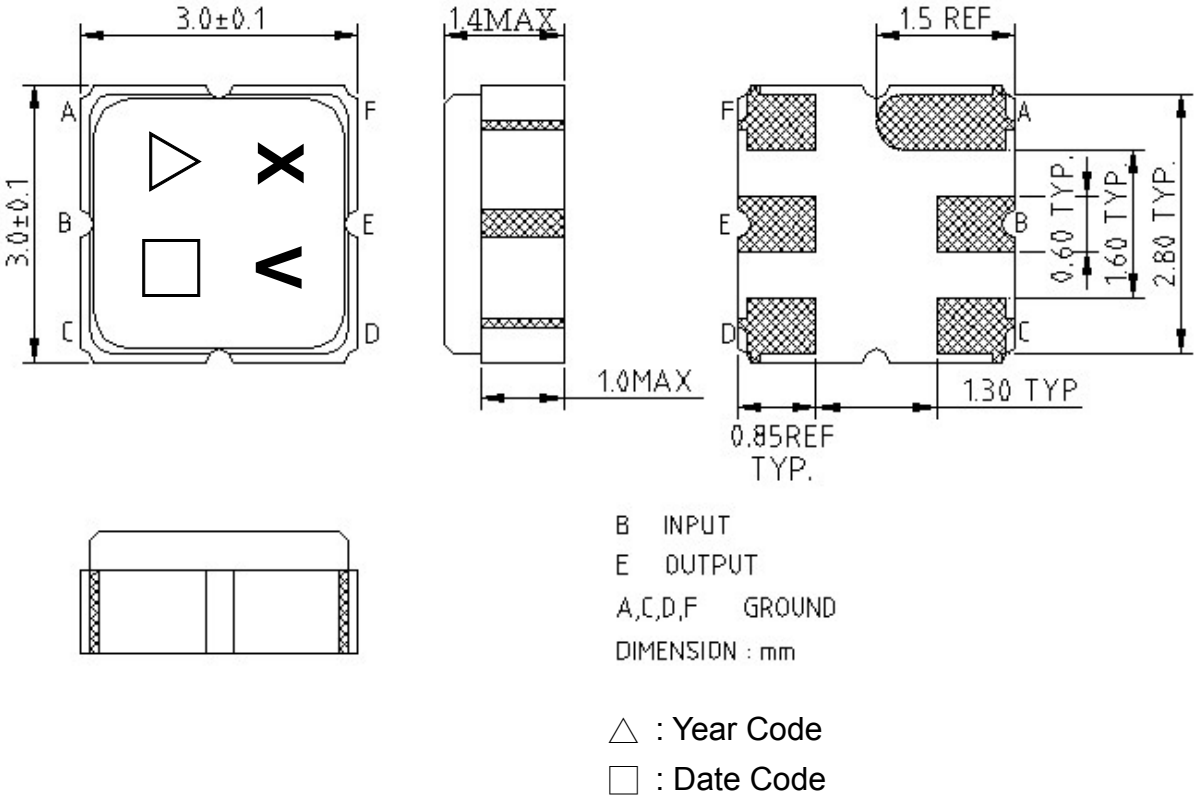
B2. ELECTRICAL CHARACTERISTICS:

Item			Min.	Typ.	Max.
Center frequency	**Fc**	(MHz)	-	1960	-
Insertion loss (1930~1990 MHz)	**IL**	(dB)	-	2.35	4
Amplitude ripple (1930~1990 MHz)		(dB)	-	1.4	2.4
Attenuation (Reference level from 0 dB)					
D.C. ~ 1850 MHz		(dB)	20	32	-
1850 ~ 1910 MHz		(dB)	10	21	-
2010 ~ 2040 MHz		(dB)	4.5	10	-
2040 ~ 2070 MHz		(dB)	20	50	-
2070 ~ 5000 MHz		(dB)	22	29	-
Input/Output VSWR (1930~1990 MHz)			-	1.7	2.2
Source impedance	Zs	(Ω)	-	50	-
Load impedance	Z_L	(Ω)	-	50	-

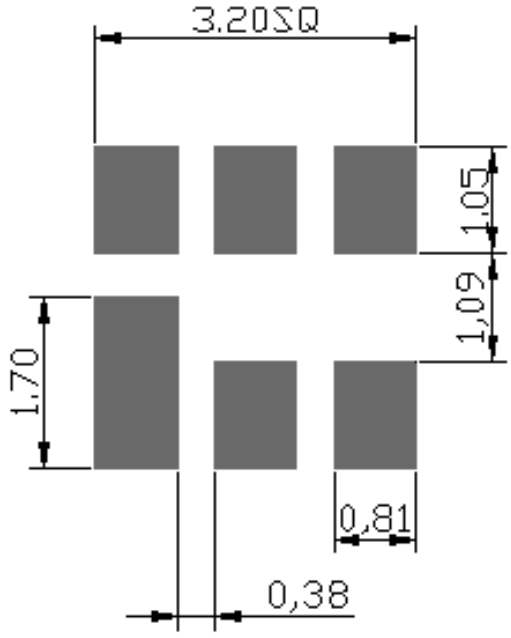
C. MEASUREMENT CIRCUIT:



D. OUTLINE DRAWING:

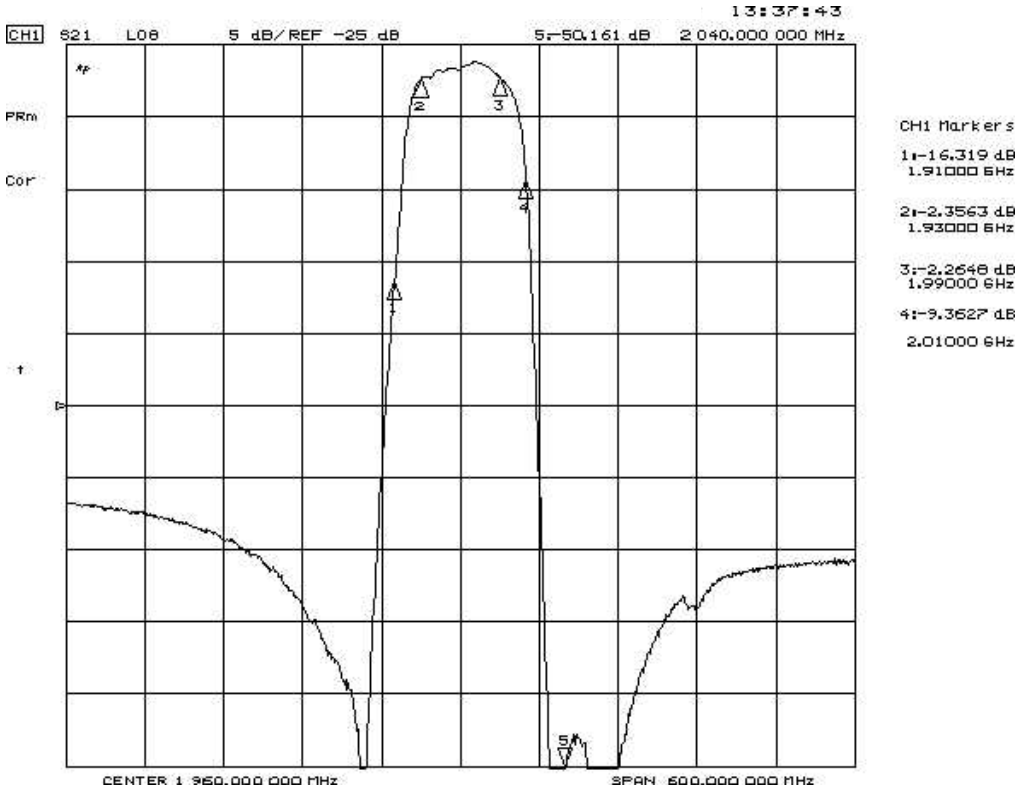


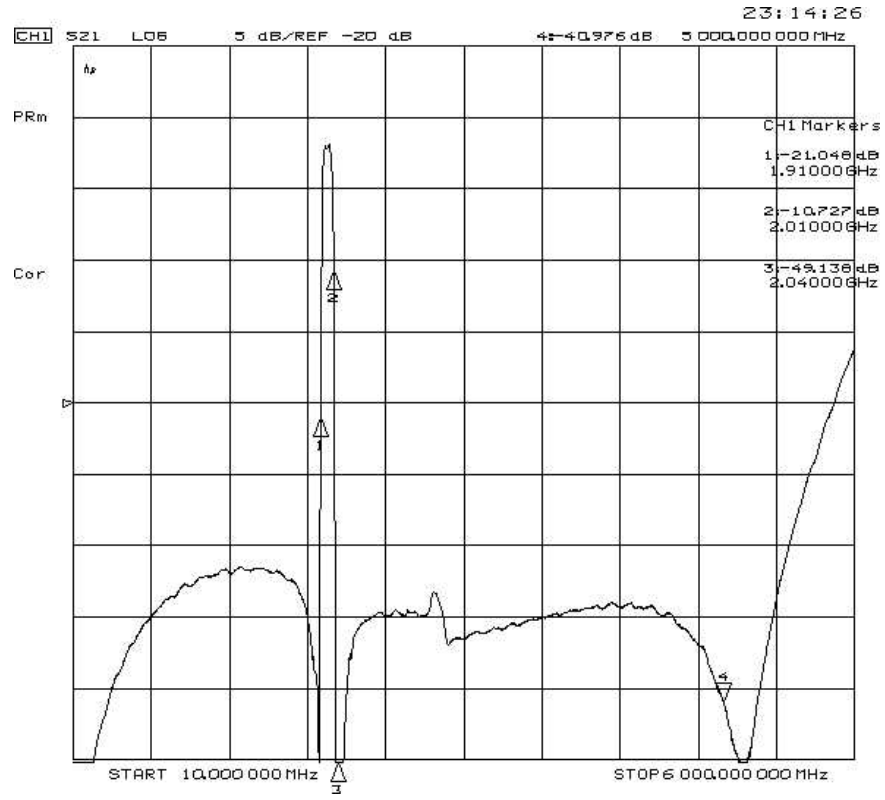
E. PCB Footprint:



F. Frequency Characteristics :

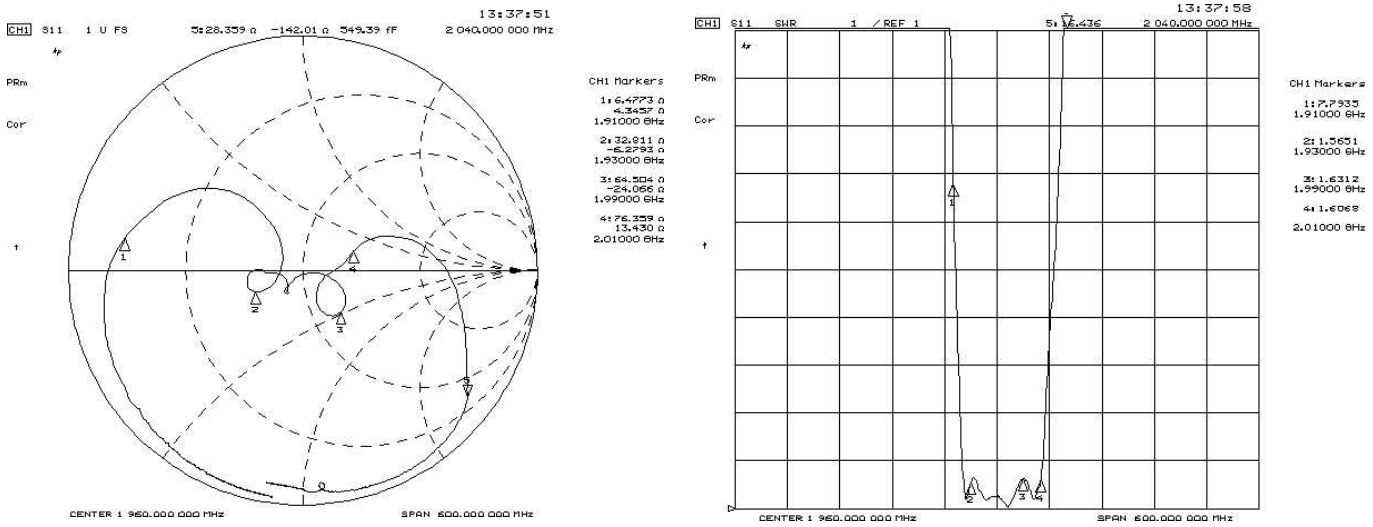
Transfer function



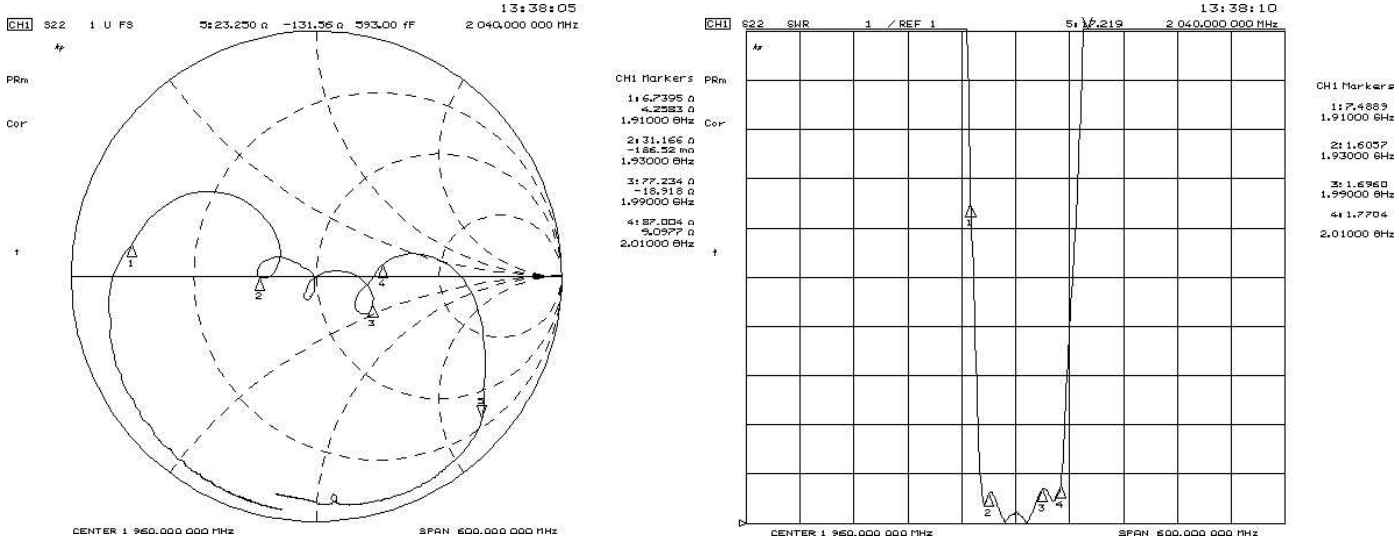


Reflections Functions :

S11

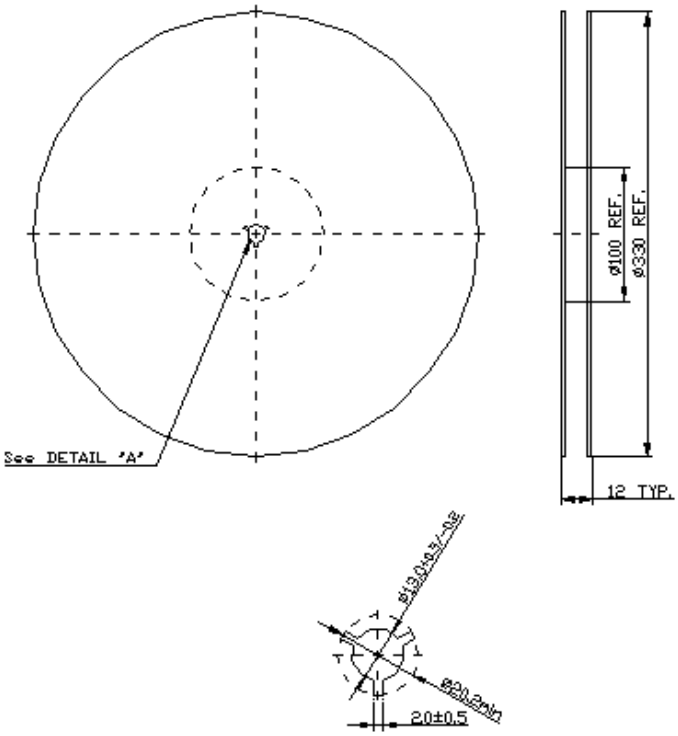


S22



G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION