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: 886-3-4697532
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Approval Sheet For Product Specification

Issued Date: April, 20, 2004

Product Name: SAW Filter 947.5 MHz SMD 3X3 mm

TST Parts No.:TA0361A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____Bob Chau_____

Approval by:_____Francis Chen_____

Date:_____4, 20, 2004_____

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SAW Filter 947.5 MHz for Mobile Communication

MODEL NO.: TA0361A REV. NO.:1

RoHS Compliant
Lead free
Lead-free soldering

A1. MAXIMUM RATING:

1.Input Power Level: 10 dB_m

2.DC voltage: 0 V

3.Operating Temperature: 25°C

4.Storage Temperature: -40°C to +85°C

B1. ELECTRICAL CHARACTERISTICS:

Item			Min.	Typ.	Max.
Center frequency	**Fc**	(dB)	-	947.5	-
Insertion loss (935~960 MHz)	**IL**	(dB)	-	2.4	3.0
Amplitude ripple (935~960 MHz)		(dB)	-	1.0	2.0
Attenuation (Reference level from 0 dB)					
D.C. ~ 890 MHz		(dB)	28.0	32.0	-
890 ~ 915 MHz		(dB)	20.0	35.0	-
980 ~ 1025 MHz		(dB)	15.0	30.0	-
1025 ~ 2000 MHz		(dB)	30.0	34.5	-
Input/Output VSWR (935~960 MHz)			-	1.9	2.1
Source impedance	Zs	(Ω)	-	50	-
Load impedance	Z_L	(Ω)	-	50	-

A2. MAXIMUM RATING:

1.Input Power Level: 10 dB_m

2.DC voltage: 0 V

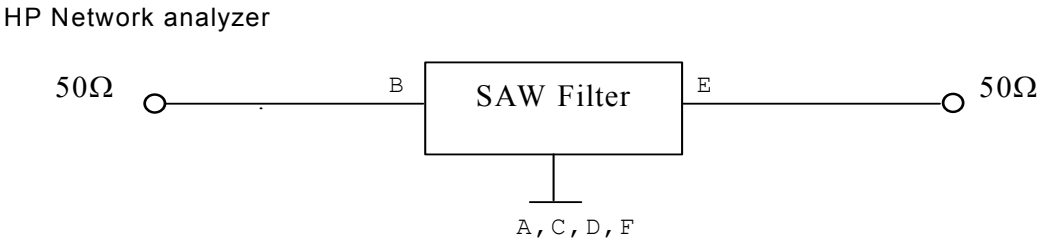
3.Operating Temperature: -30°C to +85°C

4.Storage Temperature: -40°C to +85°C

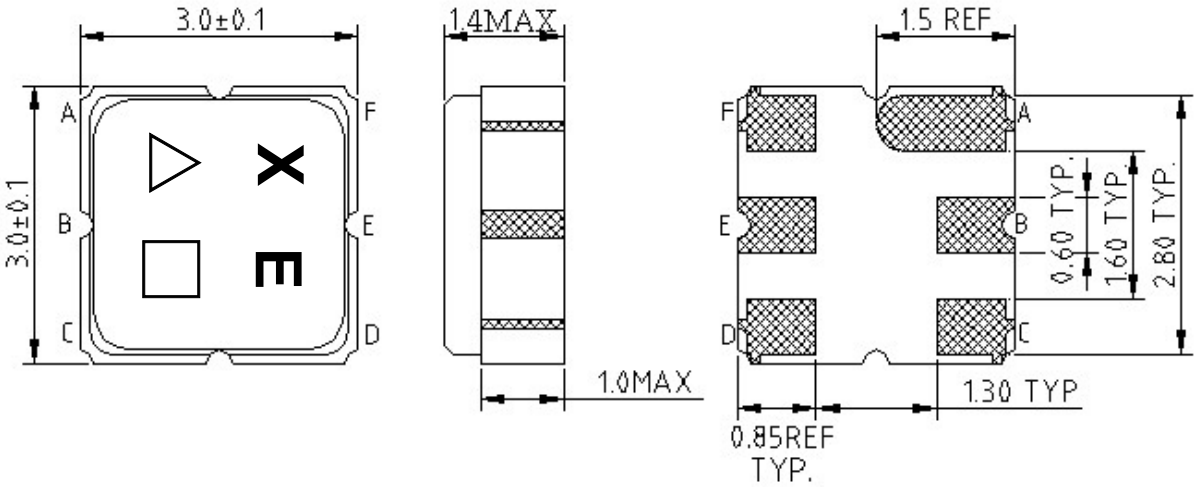
B2. ELECTRICAL CHARACTERISTICS:

Item			Min.	Typ.	Max.
Center frequency	**Fc**	(dB)	-	947.5	-
Insertion loss (935~960 MHz)	**IL**	(dB)	-	2.4	3.0
Amplitude ripple (935~960 MHz)		(dB)	-	1.0	2.0
Attenuation (Reference level from 0 dB)					
D.C. ~ 890 MHz		(dB)	28.0	32.0	-
890 ~ 915 MHz		(dB)	20.0	35.0	-
980 ~ 1025 MHz		(dB)	15.0	30.0	-
1025 ~ 2000 MHz		(dB)	30.0	34.5	-
Input/Output VSWR (935~960 MHz)			-	2.0	2.2
Source impedance	Zs	(Ω)	-	50	-
Load impedance	Z_L	(Ω)	-	50	-

C. MEASUREMENT CIRCUIT:



D. OUTLINE DRAWING:

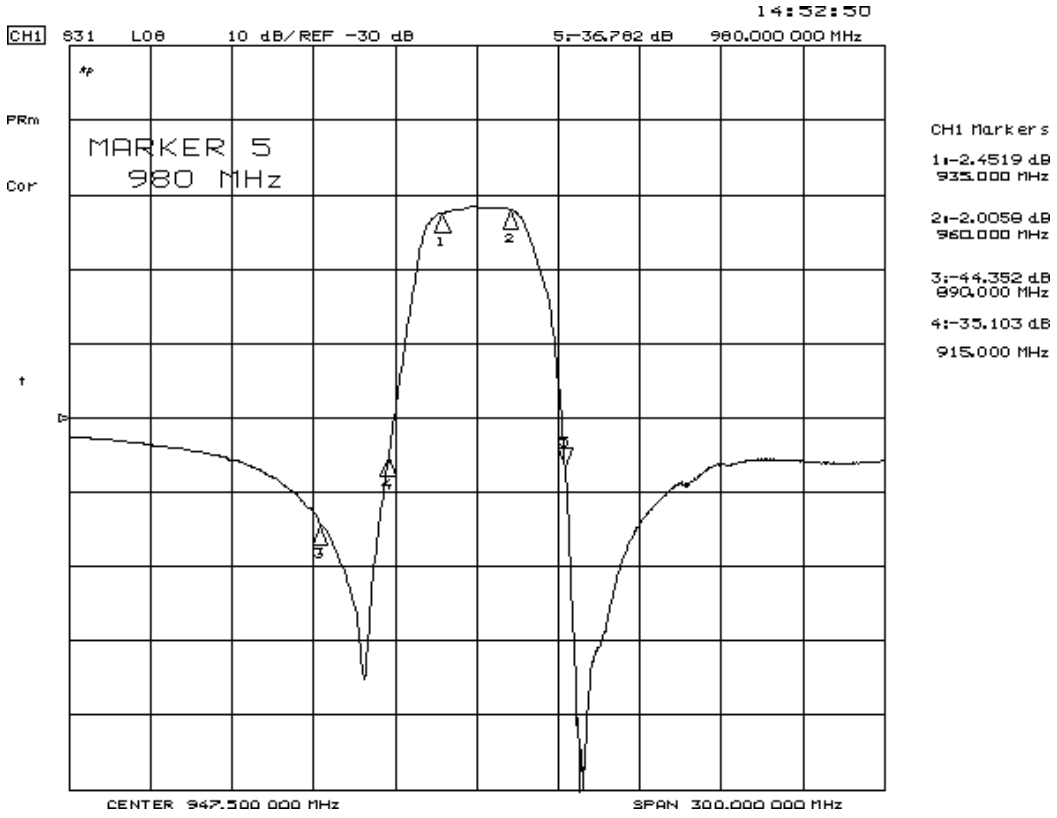


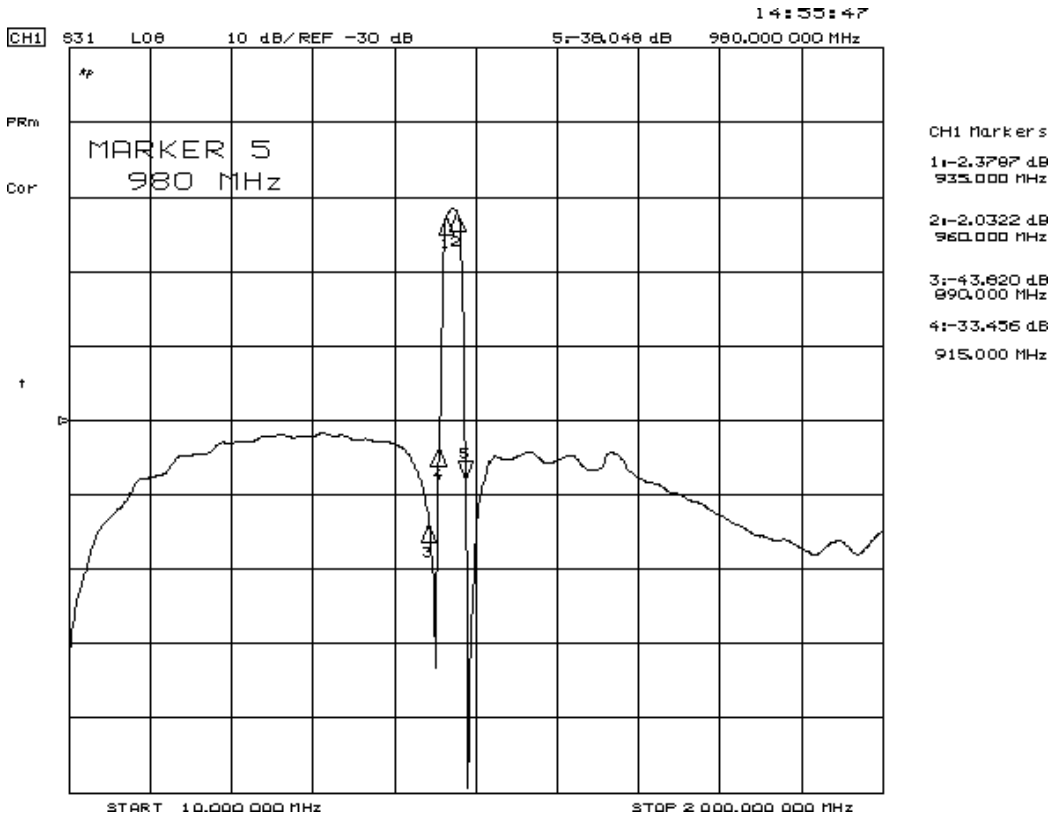
△ : Year Code

□ : Date Code

E. Frequency Characteristics :

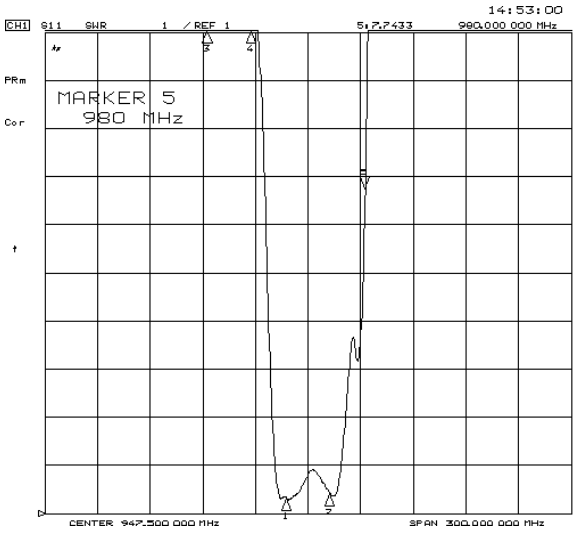
Transfer function

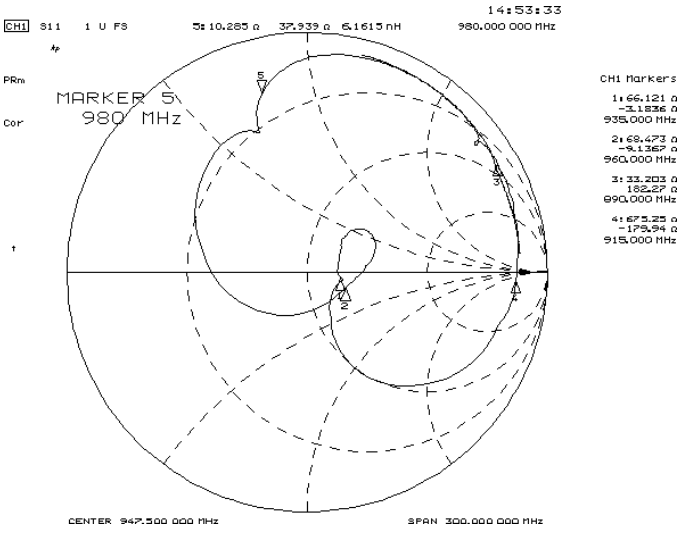




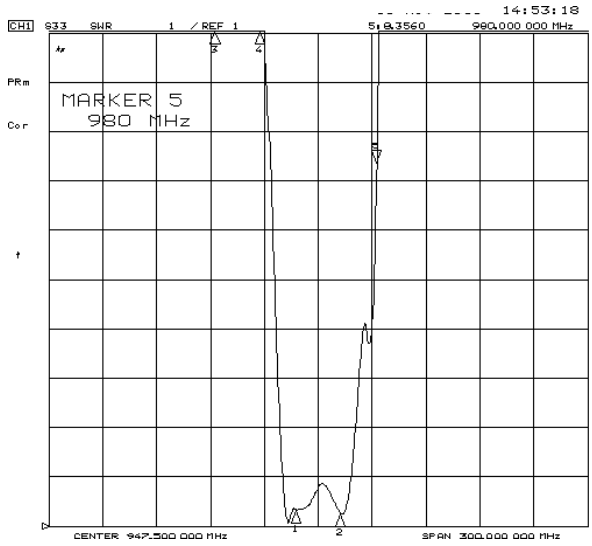
Reflections Functions :

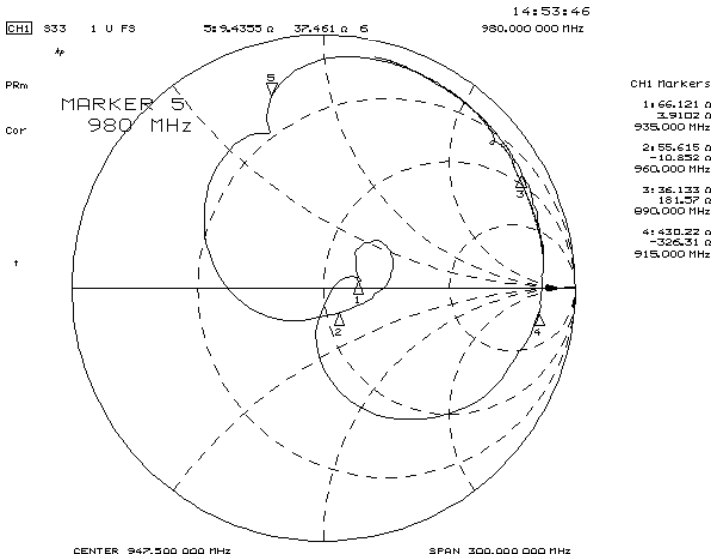
S11





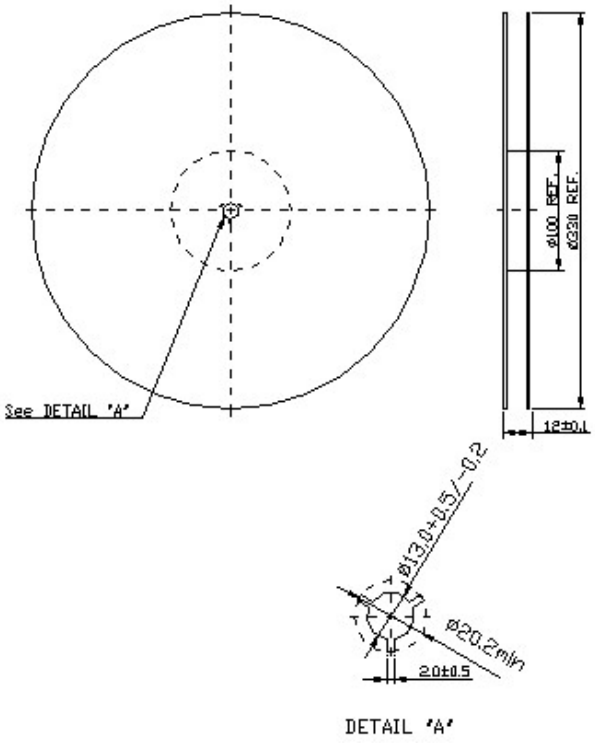
S22





F. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION