



TAI-SAW TECHNOLOGY CO., LTD.

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

Issued Date: April, 26, 2006

Product Name: SAW Filter 960 MHz SMD 3.0X3.0 mm

TST Parts No.: TA0564A

Customer Parts No.: _____

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

Checked by: _____ Bob Chau

Approval by: _____ Francis Chen

Date: _____ 4, 26, 2006



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SAW Filter 960MHz

MODEL NO.:TA0564A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -20°C to +70°C
4. Storage Temperature: -40°C to +85°C

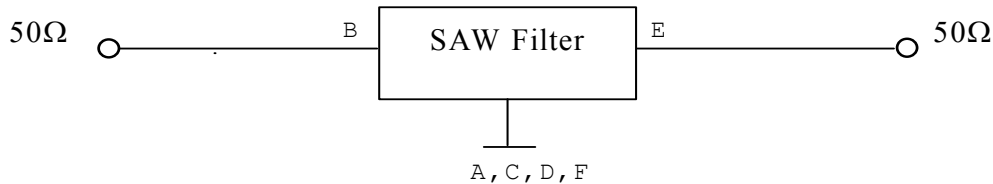
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

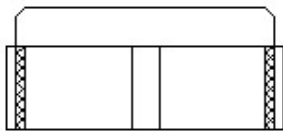
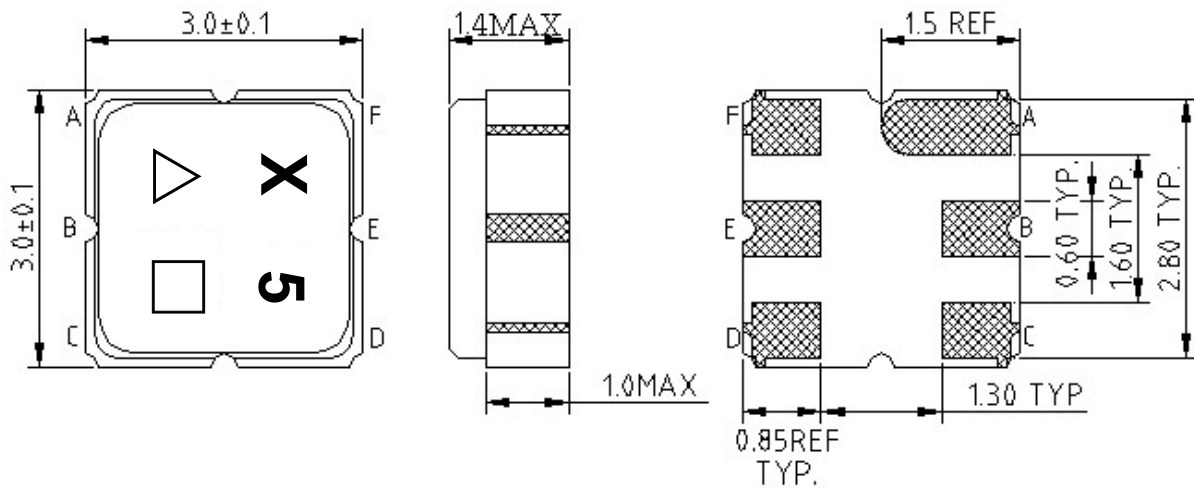
Item	Unit	Min.	Type.	Max.	Note
Center Frequency Fc	MHz	-	960	-	-
Insertion Loss (942 ~ 978 MHz) IL	dB	-	2.8	4	-
Amplitude Ripple (942 ~ 978 MHz)	dB	-	1.1	2.3	-
Return Loss (942 ~ 978 MHz)	dB	8	14.1	-	-
Relative Attenuation (relative to 0 dB)					
D.C. ~ 890 MHz	dB	40	53	-	-
890 ~ 906 MHz	dB	35	51	-	-
906 ~ 924 MHz	dB	30	47	-	-
1030 ~ 1045 MHz	dB	28	41	-	-
1045 ~ 1055 MHz	dB	35	54	-	-
1055 ~ 1500 MHz	dB	39	57	-	-
1500 ~ 2200 MHz	dB	30	42.5	-	-

C. MEASUREMENT CIRCUIT:

HP Network analyzer



D.OUTLINE DRAWING:

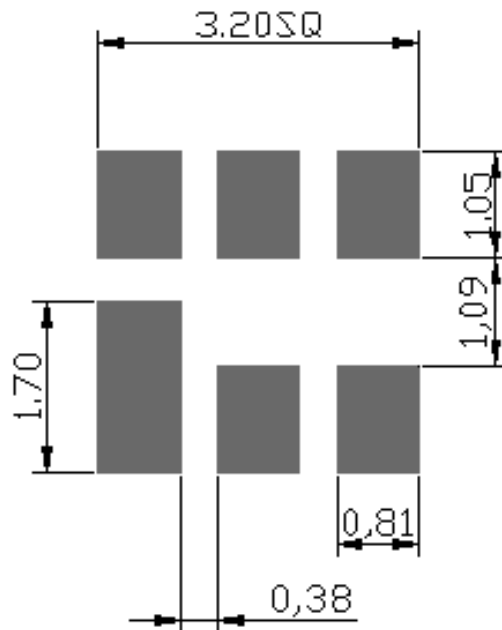


B INPUT
 E OUTPUT
 A,C,D,F GROUND
 DIMENSION : mm

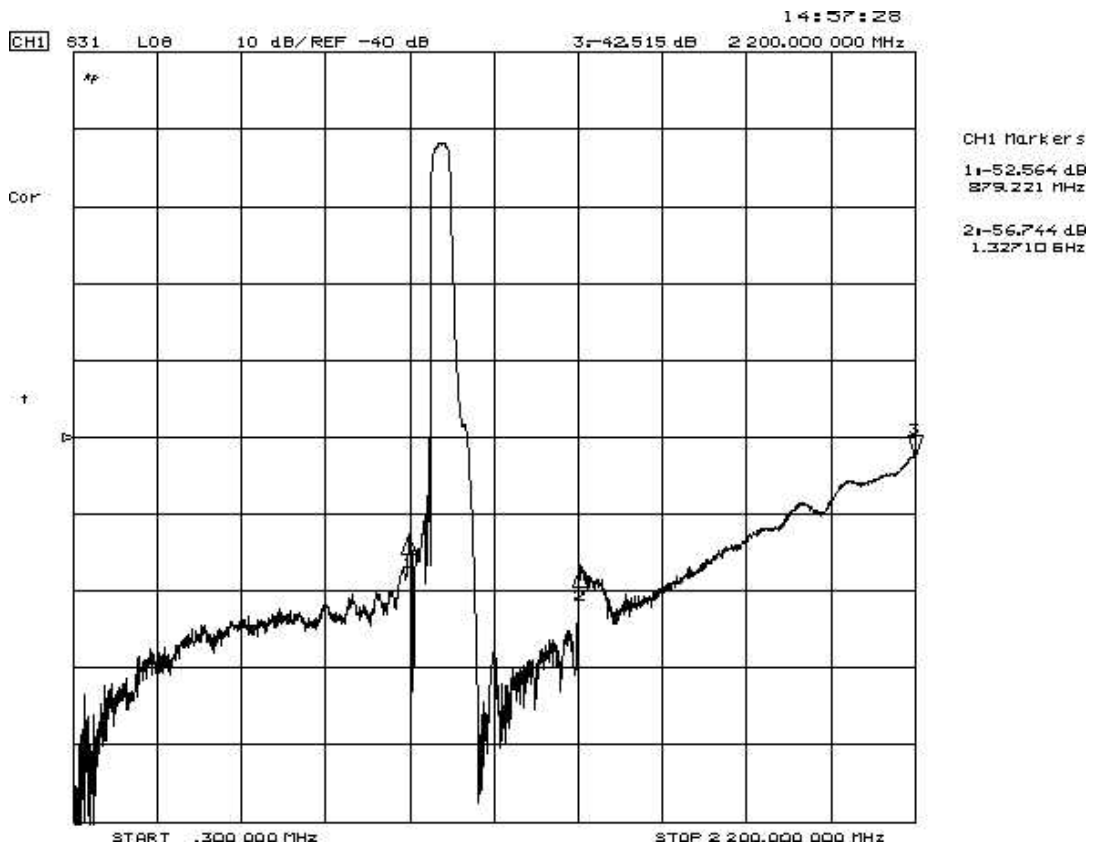
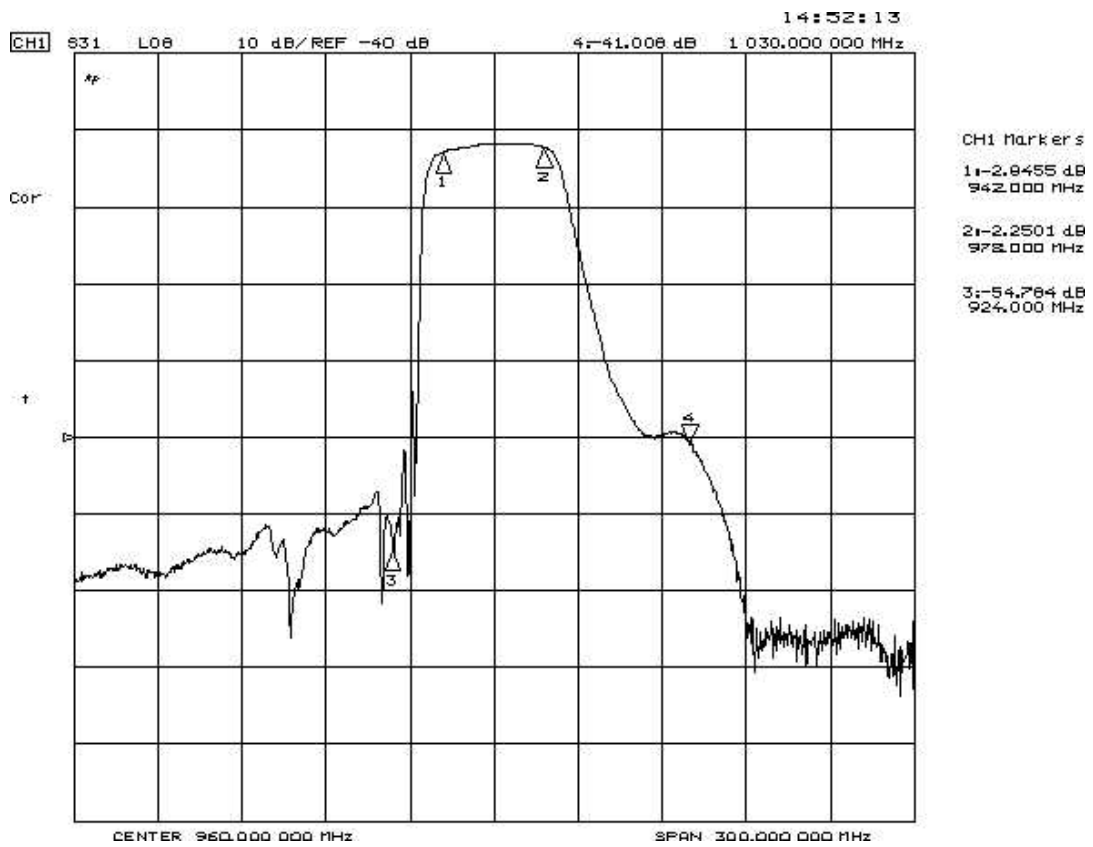
△ : Year Code (2006->6, ..., 2009->9)

□ : Date Code (Follow the table from planner each year)

E. PCB Footprint:

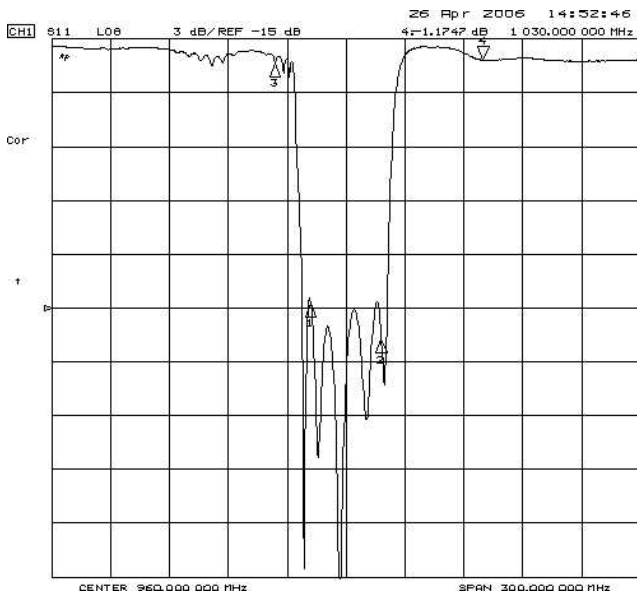


F. Frequency Characteristics :

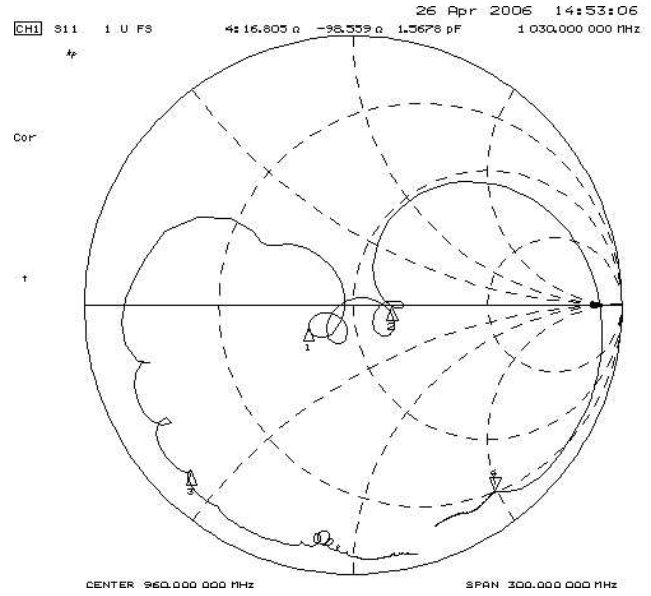


Reflections Functions :

S11 VSWR

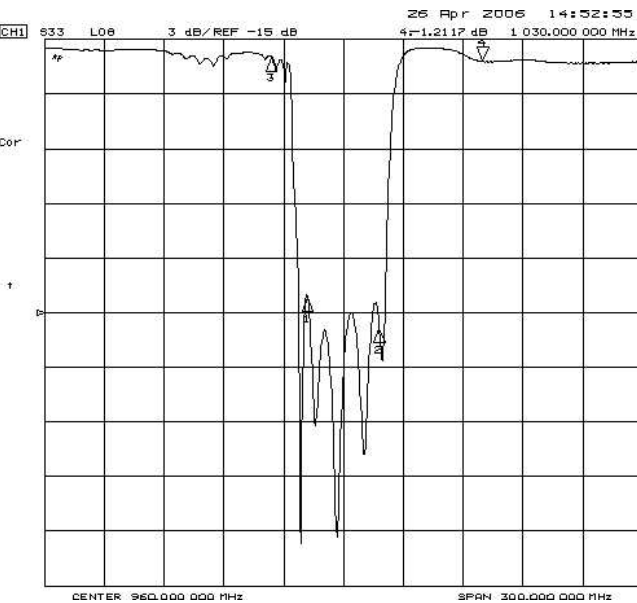


CHI Markers
 1:-14.697 dB
 942.000 MHz
 2:-16.737 dB
 978.000 MHz
 3:-1.3062 dB
 924.000 MHz

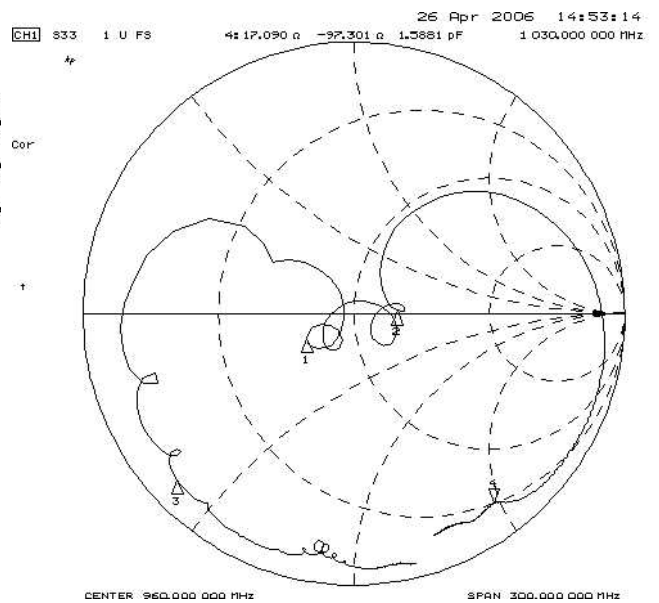


CHI Markers
 1: 35.404 n
 -5.9395 n
 942.000 MHz
 2: 67.004 n
 -652.34 m
 978.000 MHz
 3: 4.3896 n
 -20.967 n
 924.000 MHz

S22 VSWR



CHI Markers
 1:-14.178 dB
 942.000 MHz
 2:-15.671 dB
 978.000 MHz
 3:-94980 dB
 924.000 MHz

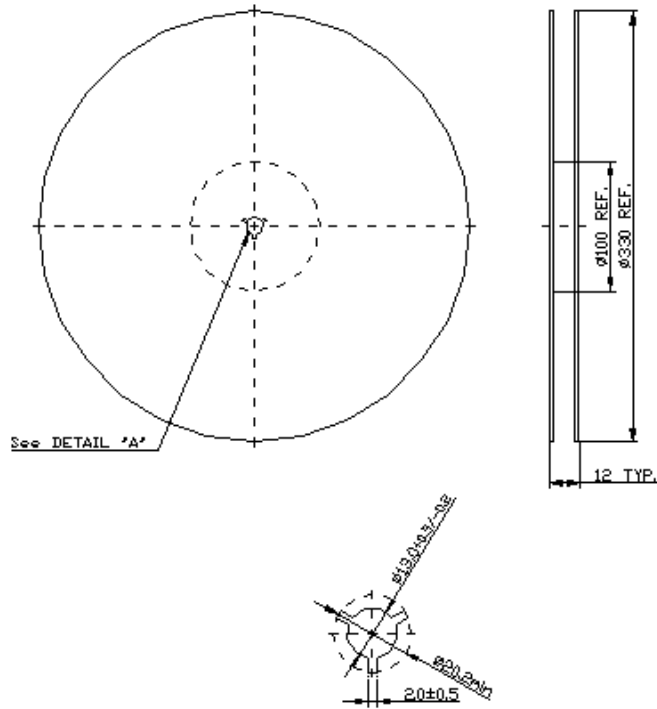


CHI Markers
 1: 34.795 n
 -6.6113 n
 942.000 MHz
 2: 69.063 n
 1.5703 n
 978.000 MHz
 3: 3.1934 n
 -19.751 n
 924.000 MHz

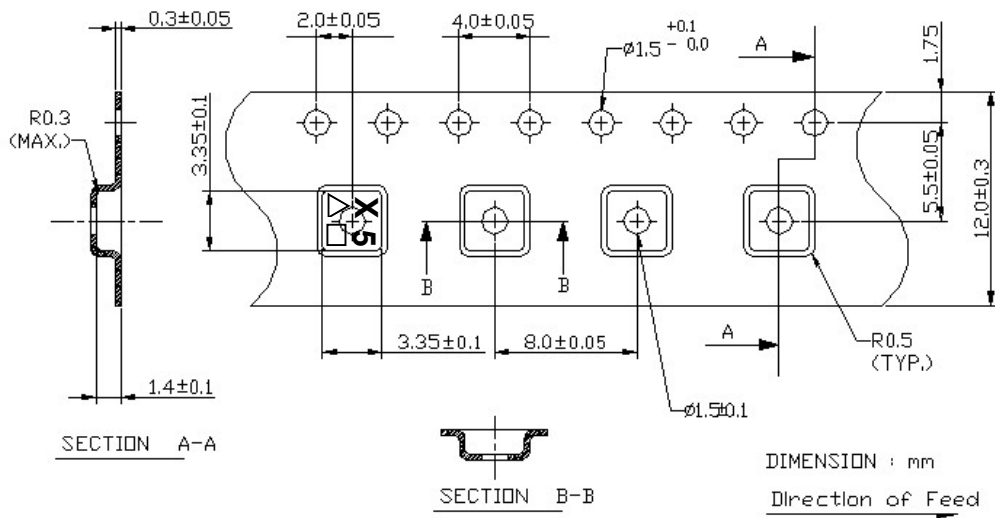
G. PACKING:

1. REEL DIMENSION

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



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

