



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: February, 16, 2007

Product Name: SAW Filter 2120MHz SMD 3.0 mm

TST Parts No.: TA0653A

Customer Parts No.: _____

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Paul Ni

Approval by: _____ Francis chen

Date: _____ 02, 16, 2007



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SAW Filter 2120 MHz

MODEL NO.: TA0653A

REV. NO : 1.0

A. MAXIMUM RATING:

1. Input Power Level: 10 dB_m
2. DC voltage: 3 V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +85°C

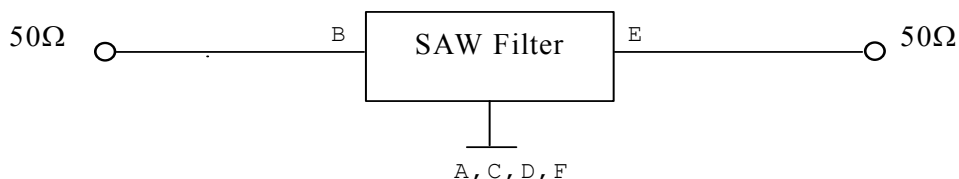
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

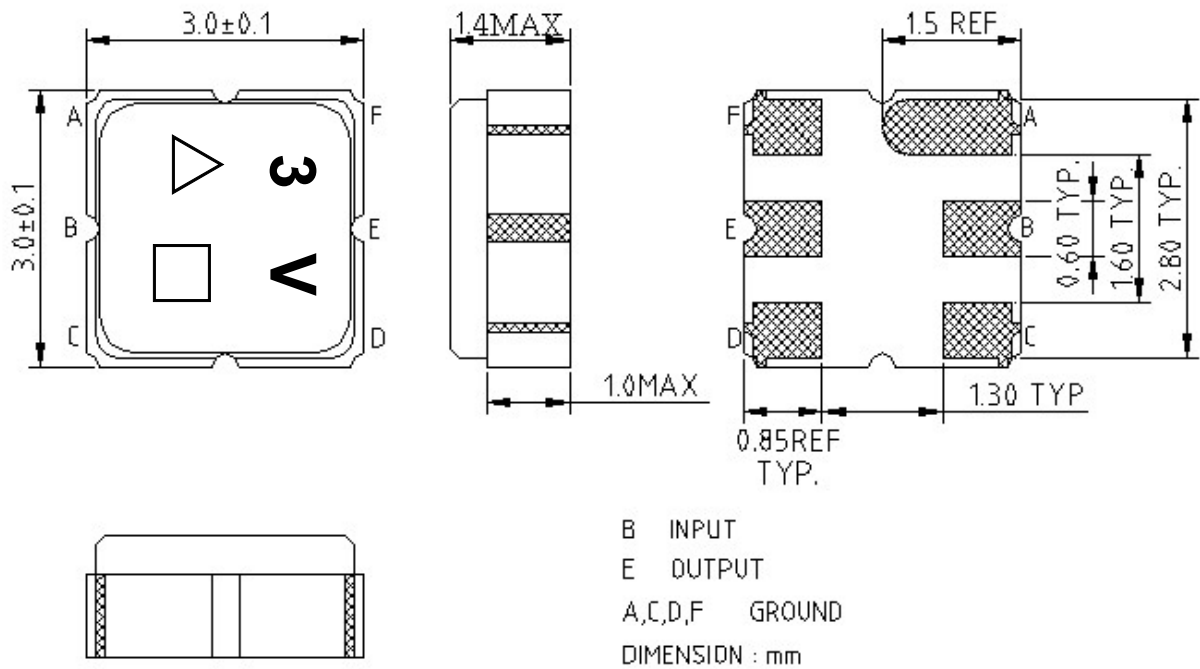
Item		Min.	Typ.	Max.
Center frequency	F _c (dB)	-	2120	-
Insertion loss within 2110 ~2130 MHz	IL (dB)	-	2.4	4
Amplitude ripple (p-p) within 2110 ~ 2130 MHz	(dB)	-	0.7	2.0
Attenuation (Reference level from 0 dB)				
D.C. ~ 500 MHz	(dB)	20	32	-
500 ~ 1900 MHz	(dB)	18	28	-
1900 ~ 2040 MHz	(dB)	22	33	-
2220 ~ 2300 MHz	(dB)	24	36	-
2300 ~ 4000 MHz	(dB)	22	34	-
VSWR within 2110 ~2130 MHz		-	1.7	2.5
Source impedance	Z _s (Ω)	-	50	-
Load impedance	Z _L (Ω)	-	50	-

C. MEASUREMENT CIRCUIT:

HP Network analyzer



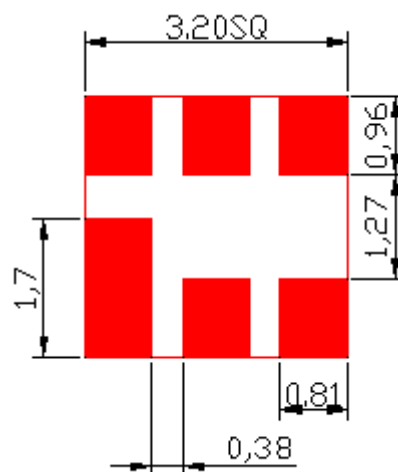
D.OUTLINE DRAWING:



△ : Year Code(2007→7,···2009→9)

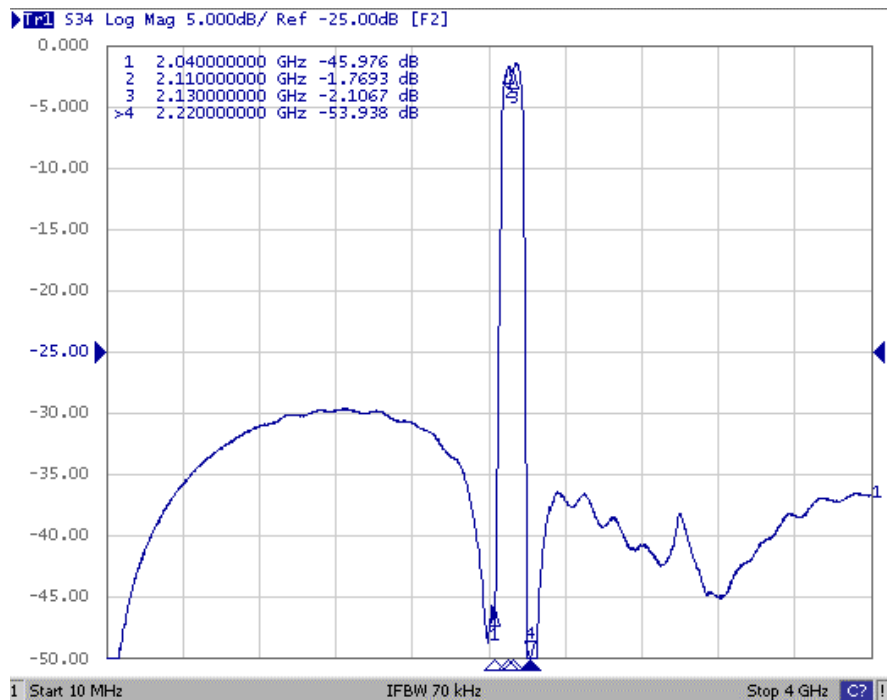
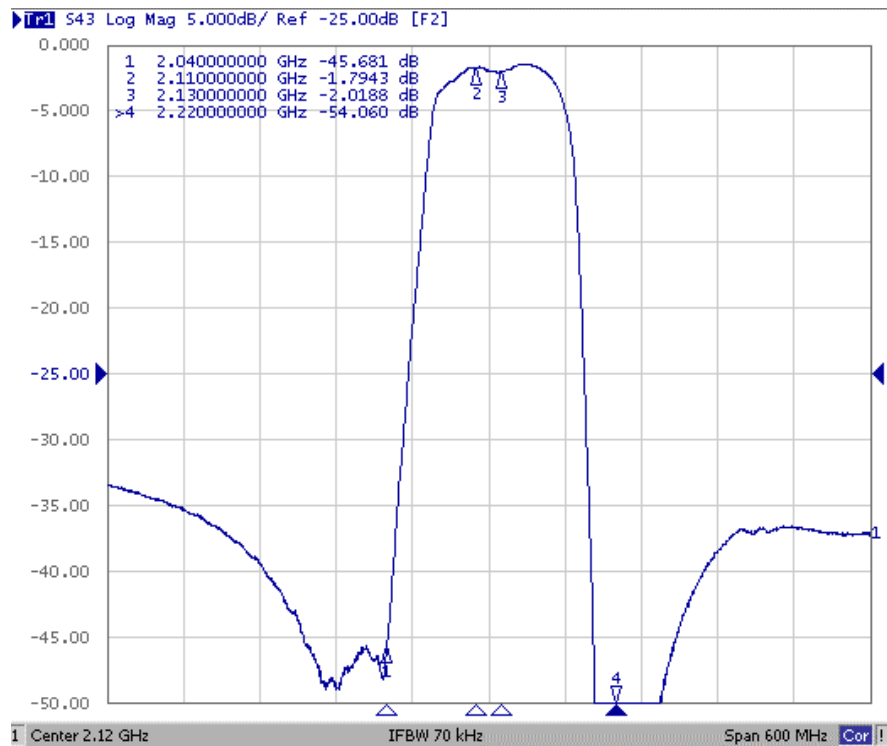
□ : Date Code(Follow the table from planner each year)

E. PCB Footprint :



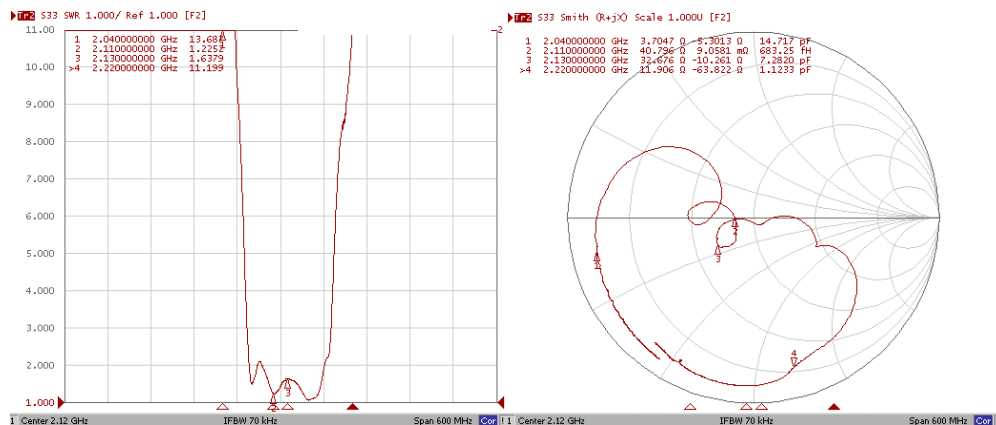
F. Frequency Characteristics :

Transfer function

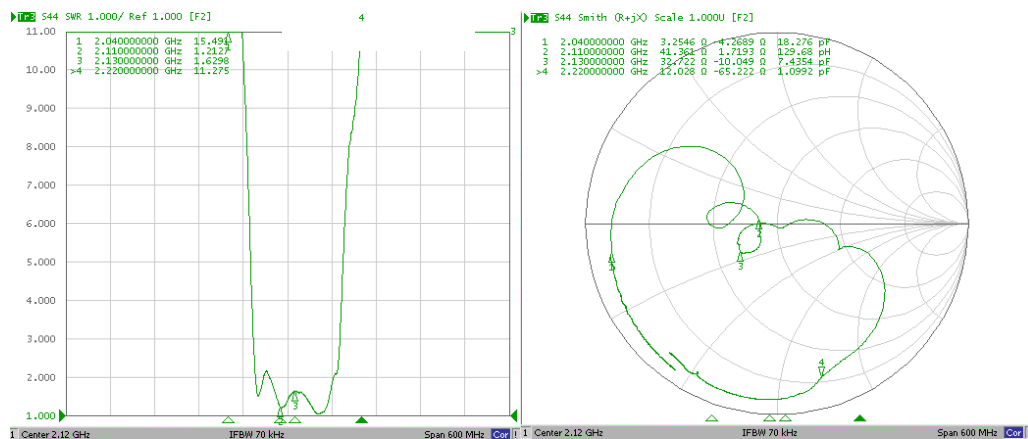


Reflections Functions :

S11 VSWR

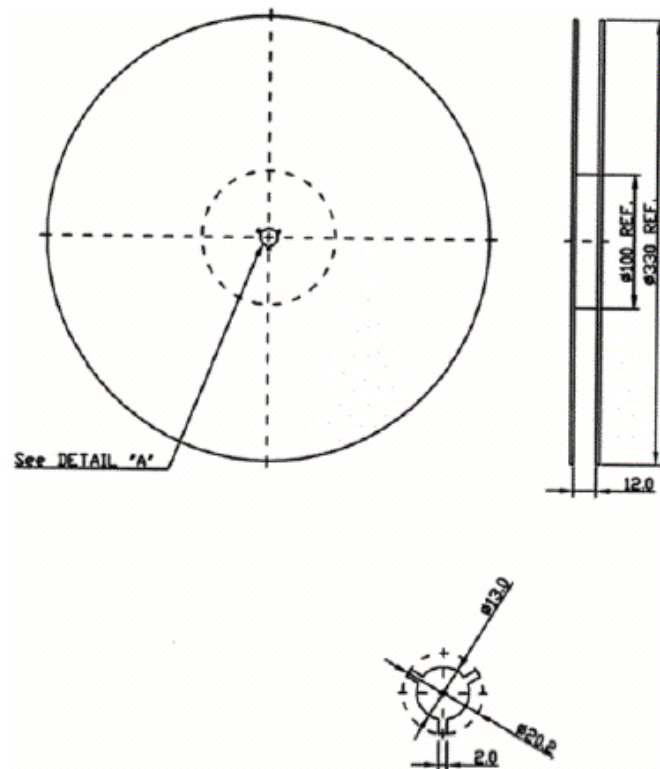


S22 VSWR

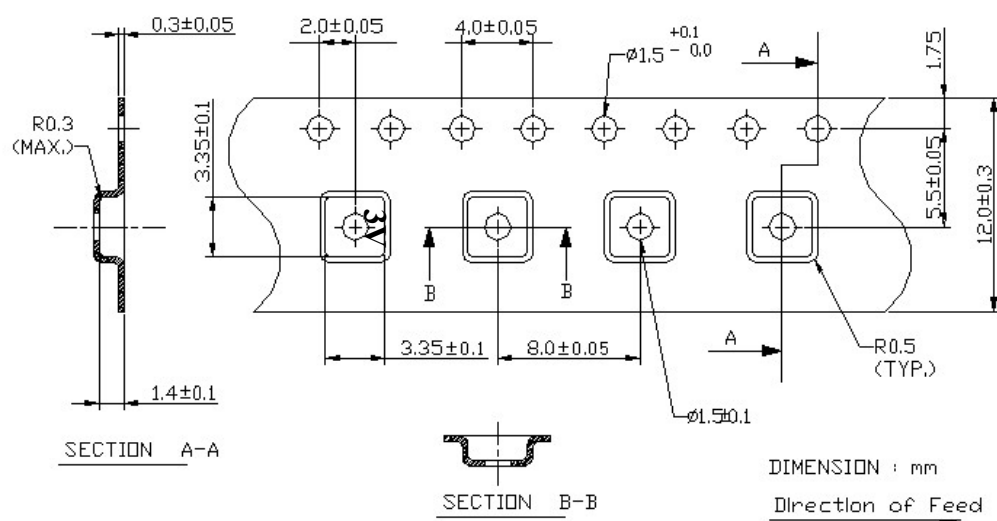


G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE:

