



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: May, 4, 2005

Product Name: SAW Filter 2160 MHz SMD 3X3 mm

TST Parts No.:TA0465A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Bob Chau

Approval by:_____ Francis Chen

Date:_____ 5, 4, 2005



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SAW Filter 2160 MHz

MODEL NO.: TA0465A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 5 dB_m
2. DC voltage: 0 V
3. Operating Temperature: -30°C to +80°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

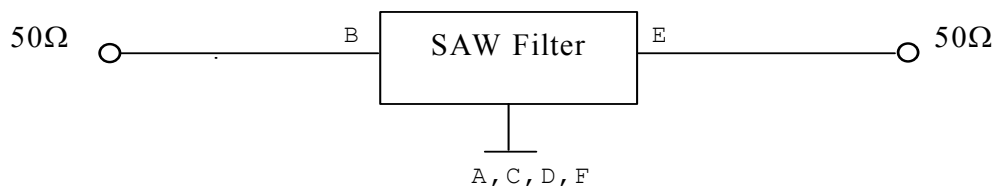
B. ELECTRICAL CHARACTERISTICS:

Item		Min.	Typ.	Max.
Center frequency	F _c (MHz)	-	2160	-
Insertion loss (2130~2190 MHz)	IL (dB)	-	2.2	3.5
Amplitude ripple (2130~2190 MHz)	(dB)	-	1.0	2.0
Attenuation (Reference level from 0 dB)				
D.C. ~ 500	MHz (dB)	21	34	-
500 ~ 1900	MHz (dB)	20	29	-
1900 ~ 2050	MHz (dB)	25	33	-
2070	MHz (dB)	40	47	-
2240 ~ 2300	MHz (dB)	20	40	-
2300 ~ 4500	MHz (dB)	22	32	-
Input/Output VSWR (2130~2170 MHz)		-	1.9	2.3
Source impedance	Z _s (Ω)	-	50	-
Load impedance	Z _L (Ω)	-	50	-

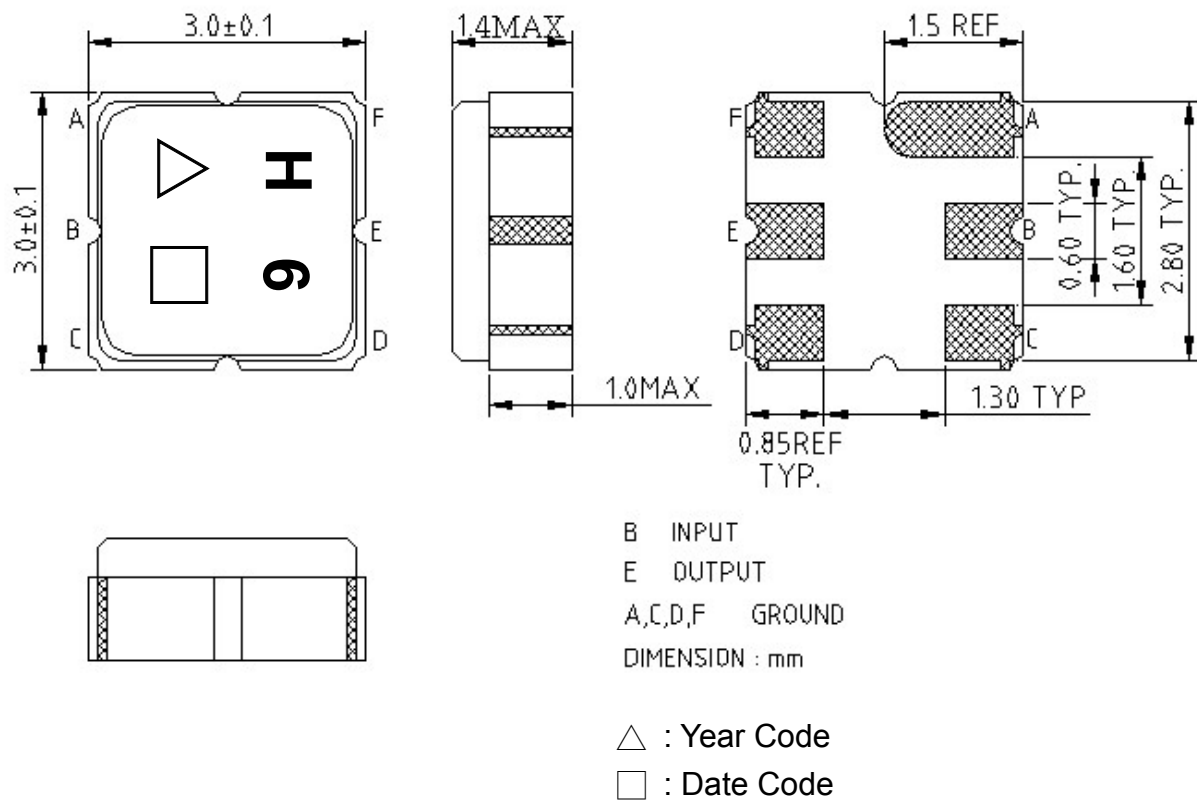
Note1. The standard definitions is in JIS C 6703

C. MEASUREMENT CIRCUIT:

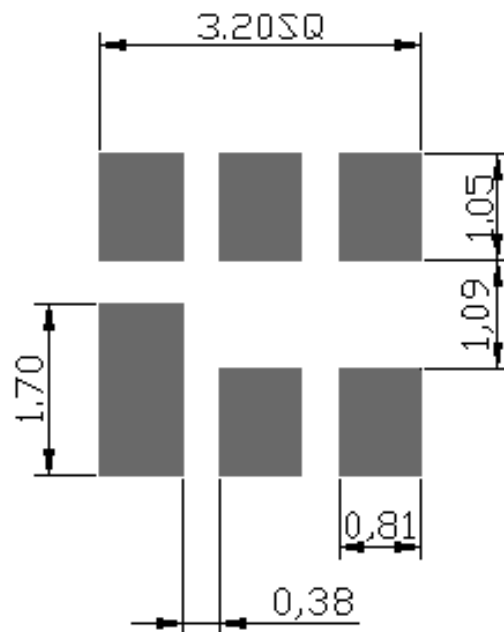
HP Network analyzer



D. OUTLINE DRAWING:

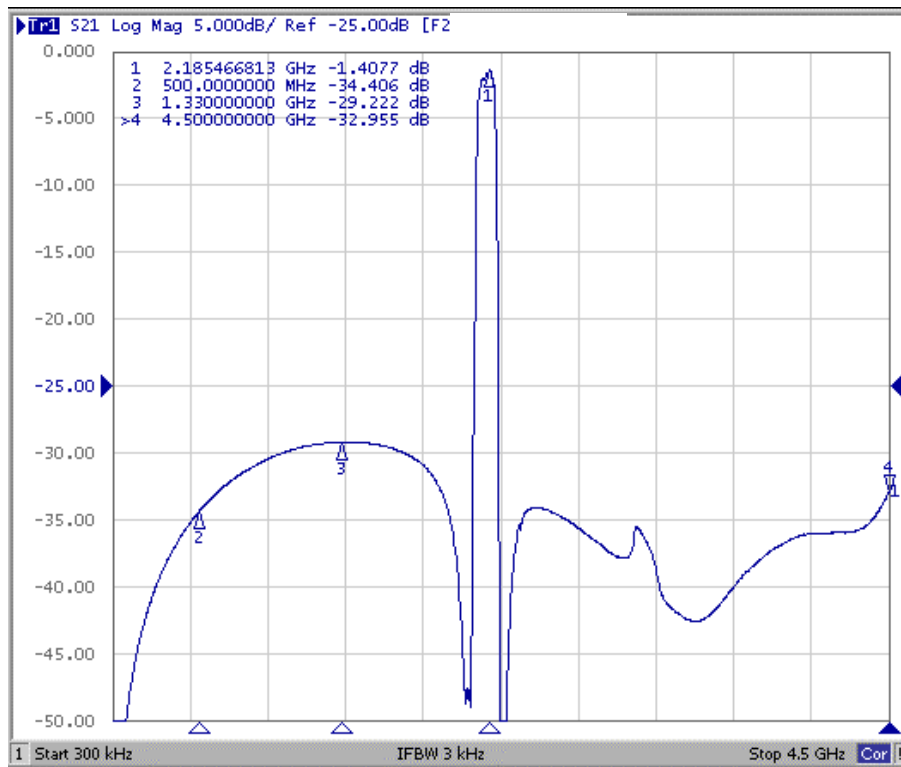
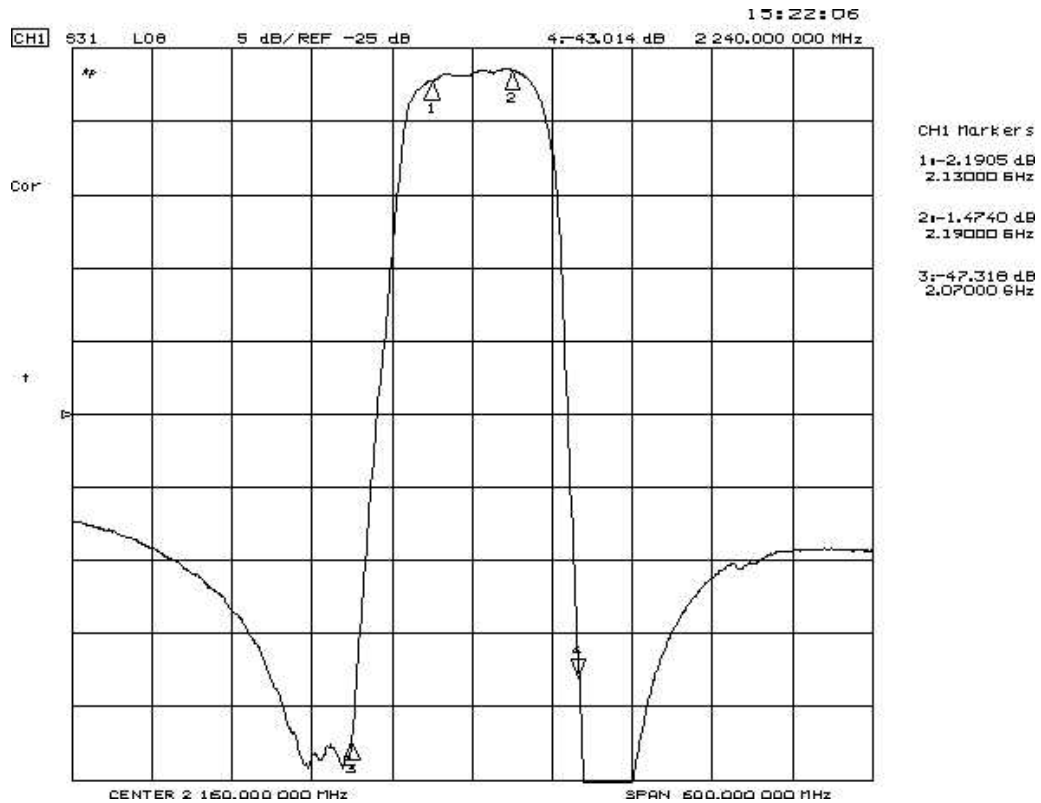


E. PCB Footprint:



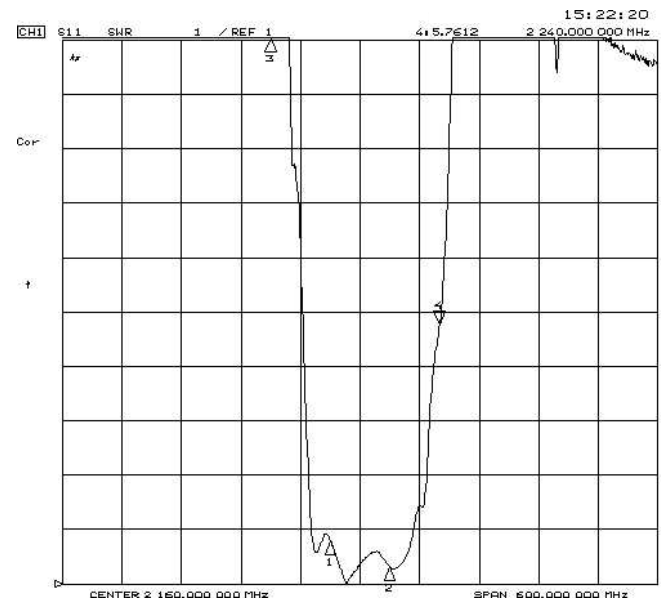
F. Frequency Characteristics :

Transfer function



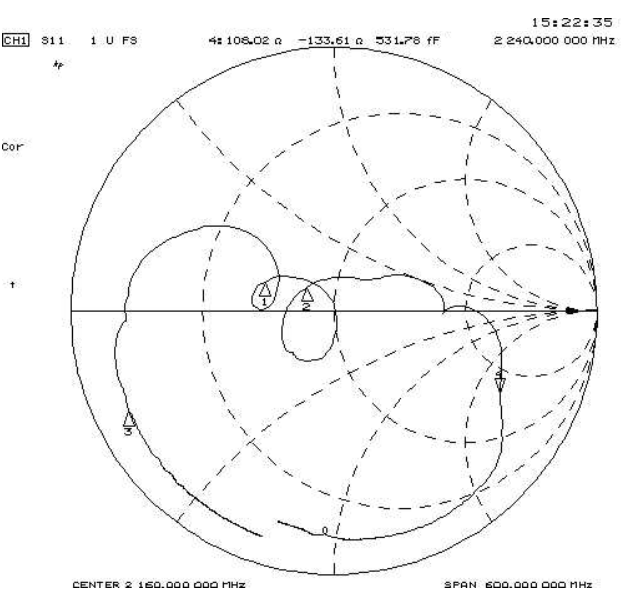
Reflections Functions :

S11



CH1 Markers

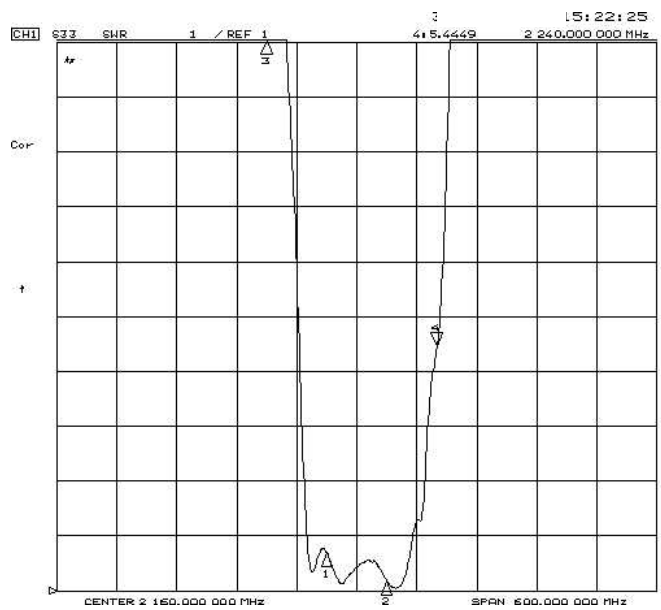
1:	1.7924
2:	1.3000 GHz
2:	1.3143
2:	1.9000 GHz
3:	14.095
2:	0.000 GHz



CH1 Markers

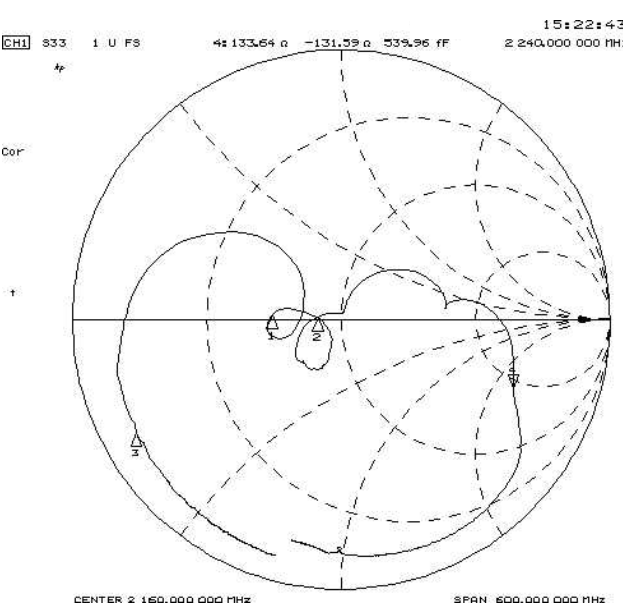
1:	26.643 a
6:	8467 a
2:	13000 GHz
2:	40.203 a
7:	4927 a
2:	19000 GHz
3:	3.7021 a
-:	11.559 a
2:	0.000 GHz

S22



CH1 Markers

1:	1.6924
2:	1.3000 GHz
2:	1.1888
2:	1.9000 GHz
3:	14.521
2:	0.000 GHz

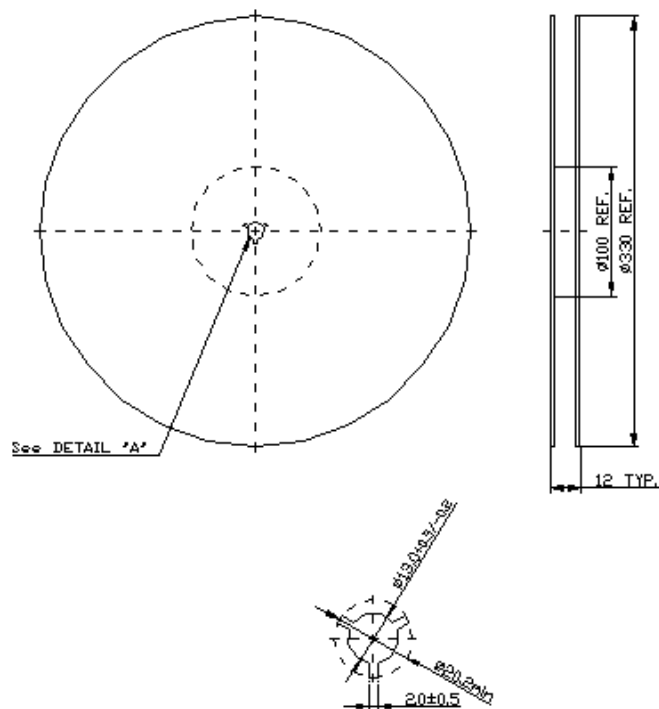


CH1 Markers

1:	29.514 a
1:	0420 a
2:	13000 GHz
2:	42.096 a
0:	8555 a
2:	19000 GHz
3:	3.6875 a
-:	12.749 a
2:	0.000 GHz

G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

