



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: Nov, 1, 2005

Product Name: SAW Filter 2441.8 MHz SMD 3X3 mm

TST Parts No.:TA0532A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Bob Chau

Approval by:_____ Francis Chen

Date:_____ 11, 1, 2005



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SAW Filter 2441.8 MHz for Bluetooth

MODEL NO.: TA0532A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 10 dB_m
2. DC voltage: 3 V
3. Operating Temperature: -30°C to +75°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

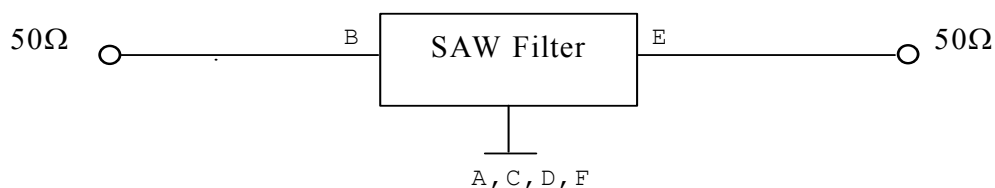
B. ELECTRICAL CHARACTERISTICS:

Item		Min.	Typ.	Max.
Center frequency	F _c (dB)	-	2441.8	-
Insertion loss (2400~2483.5 MHz)	IL (dB)	-	2.1	5.0
Amplitude ripple (2400~2483.5 MHz)	(dB)	-	0.9	3.0
Attenuation (Reference level from 0 dB)				
D.C. ~ 1700 MHz	(dB)	20.0	29.0	-
1700 ~ 2200 MHz	(dB)	25.0	30.0	-
2544 ~ 2627 MHz	(dB)	40.0	45.0	-
2700 ~ 3100 MHz	(dB)	30.0	40.0	-
3100 ~ 4000 MHz	(dB)	20.0	32.0	-
4000 ~ 5000 MHz	(dB)	10.0	15.0	-
VSWR (2400~2483.5 MHz)		-	1.8	2.6
Source impedance	Z _s (Ω)	-	50	-
Load impedance	Z _L (Ω)	-	50	-

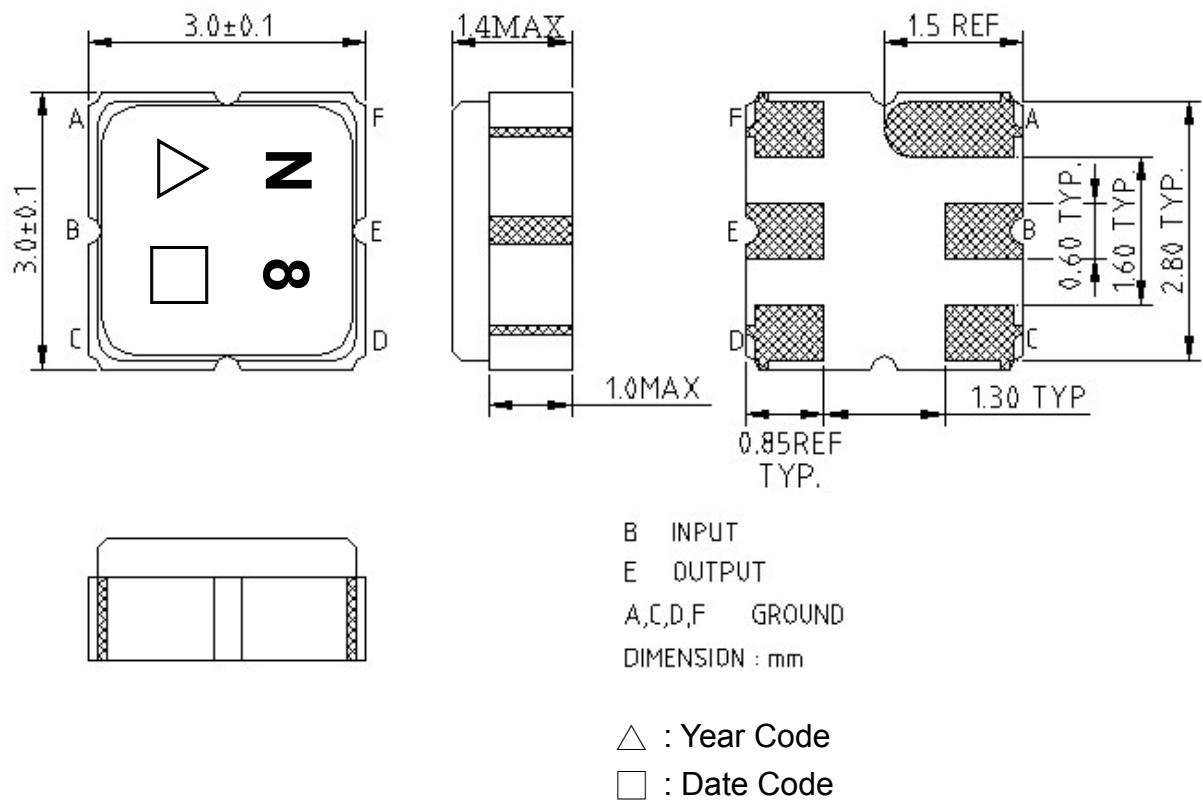
Note1. The standard definitions is in JIS C 6703

C. MEASUREMENT CIRCUIT:

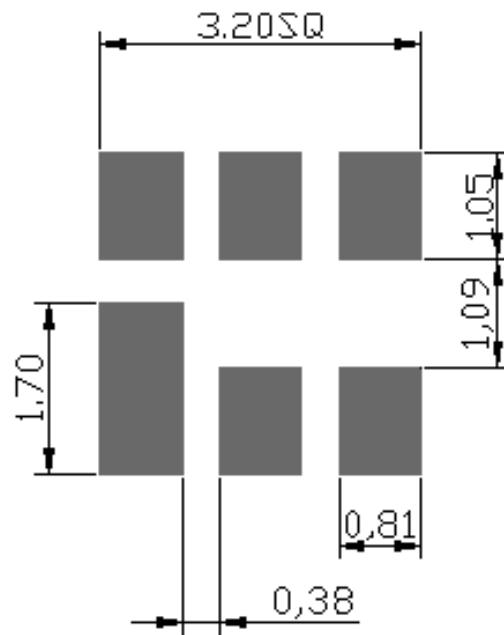
HP Network analyzer



D. OUTLINE DRAWING:

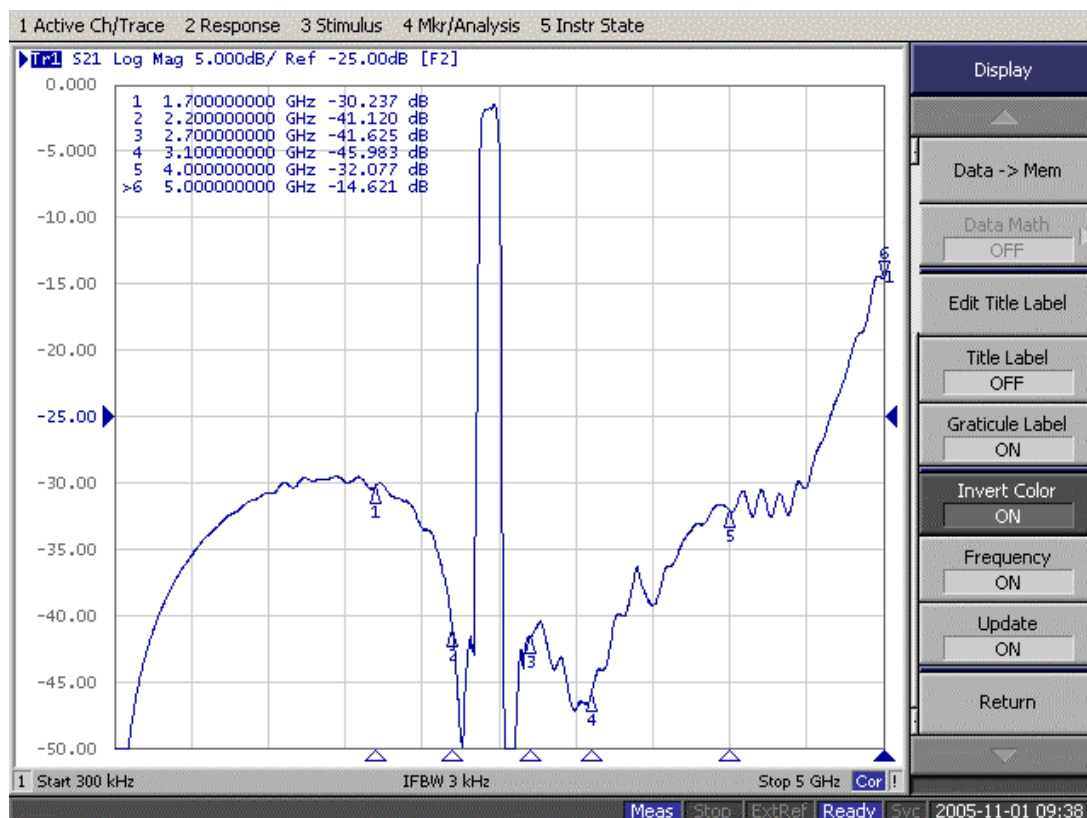
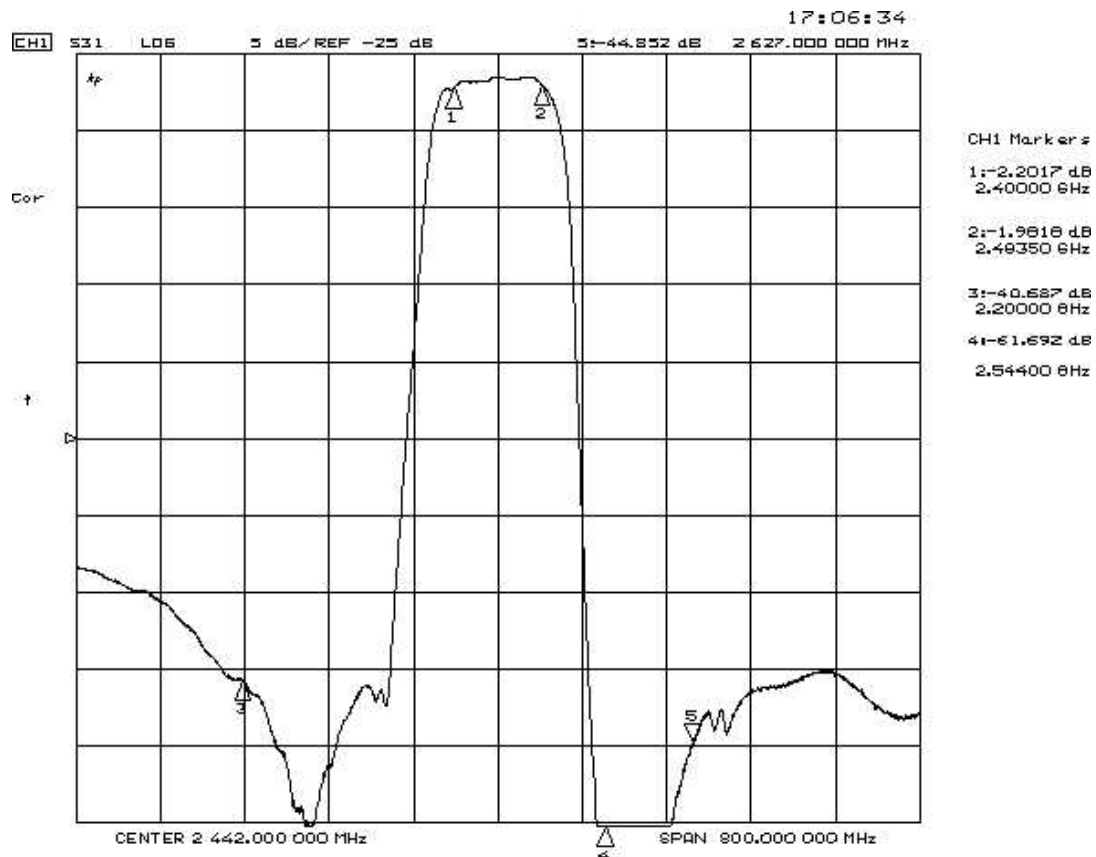


E. PCB Footprint:



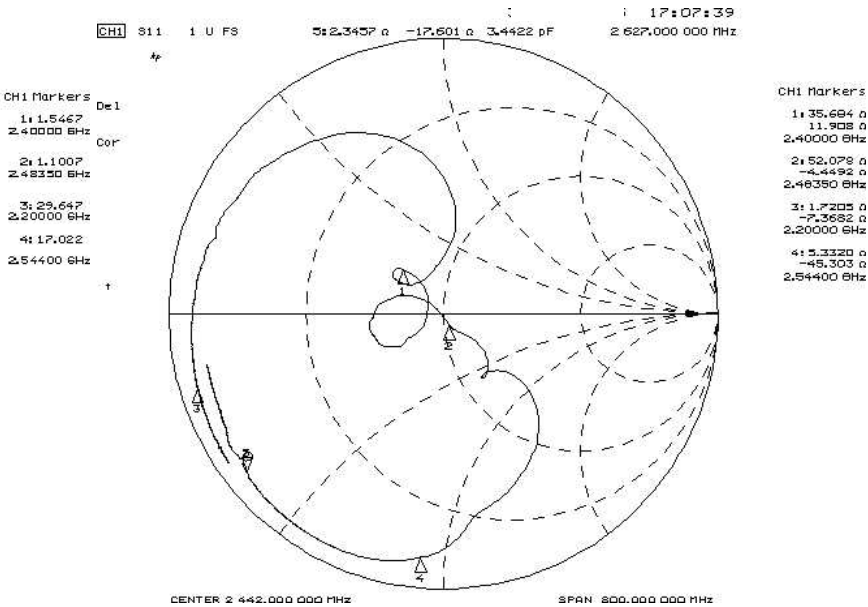
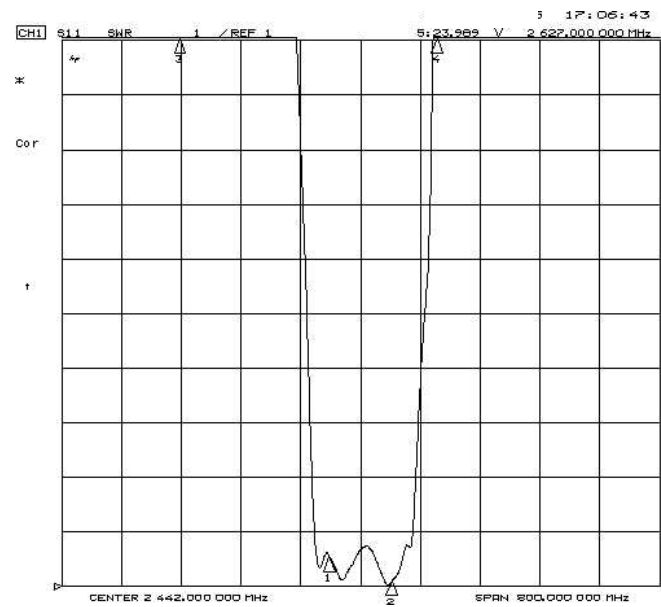
F. Frequency Characteristics :

Transfer function

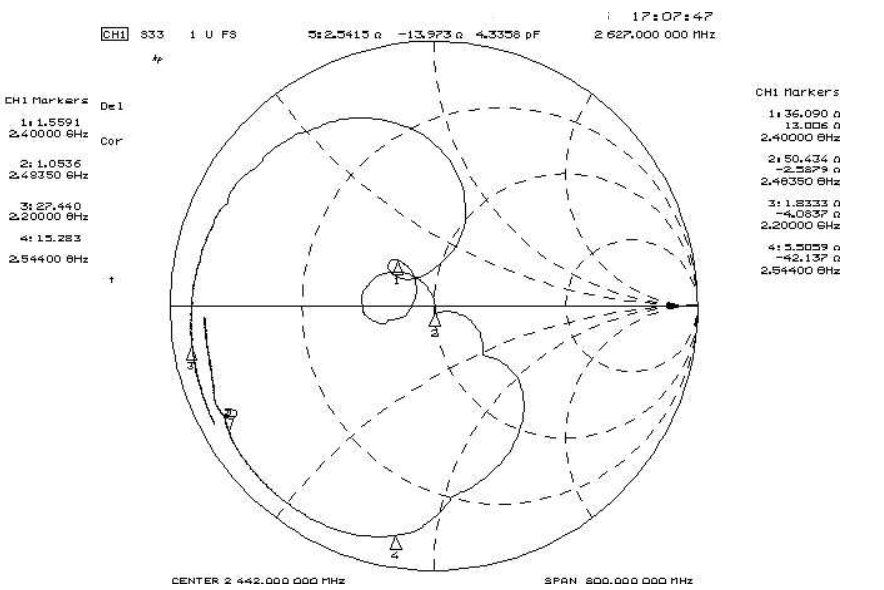
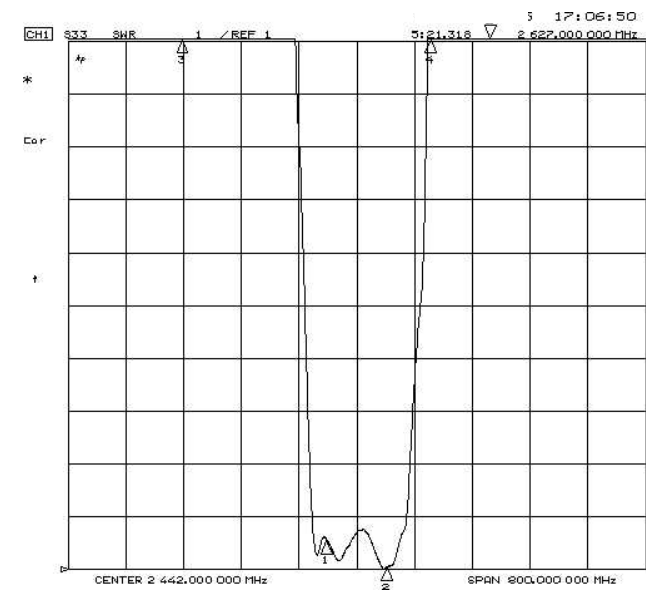


Reflections Functions :

S11 VSWR

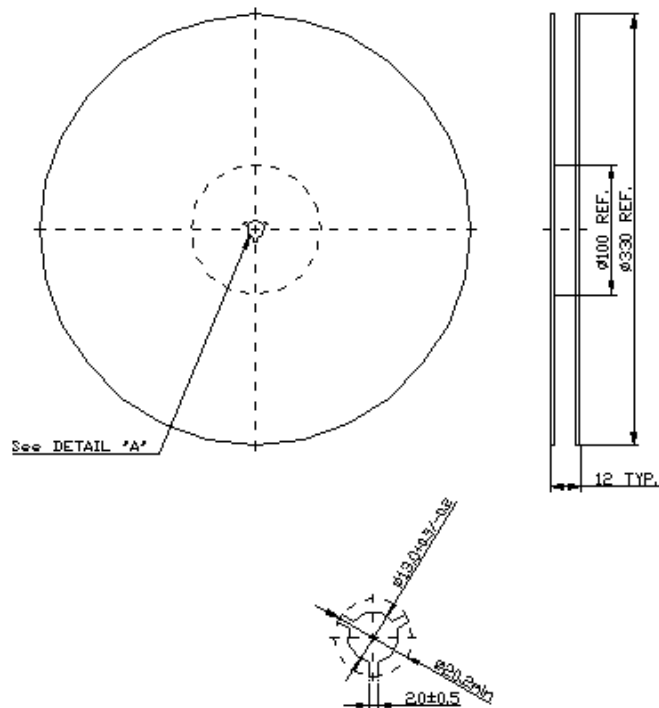


S22 VSWR



G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

