



TAI-SAW TECHNOLOGY CO., LTD.

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

Product Description: SAW Filter 2441.8 MHz SMD 3.0X3.0 mm

TST Part No.: TA0223A

Customer Part No.: _____

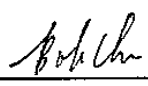
Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Bob Chau 

Approved by: _____ Francis Chen 

Date: _____ 10, 11, 2010

1. Customer signed back is required before TST can proceed with sample build and receive orders.
2. Orders received without customer signed back will be regarded as agreement on the specifications.
3. Any specifications changes must be approved upon by both parties and a new revision of specifications shall be released to reflect the changes.



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SAW Filter 2441.8 MHz for Bluetooth

MODEL NO.: TA0223A

REV. NO.:4

A. MAXIMUM RATING:

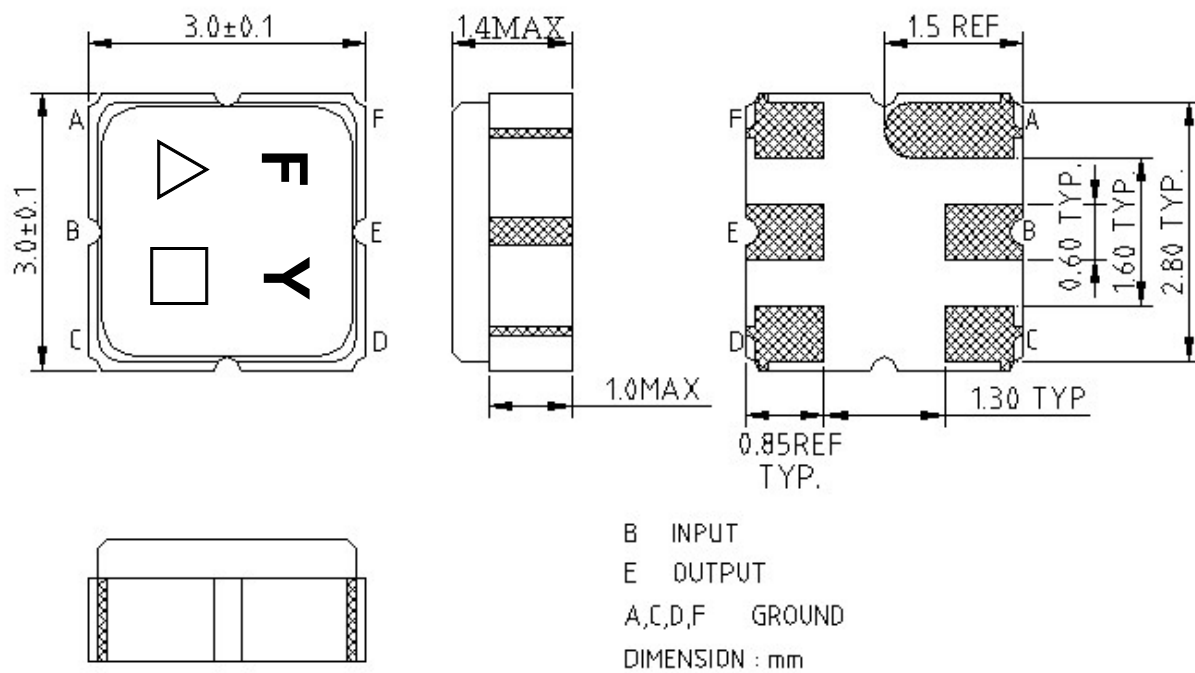
1. Input Power Level: 10 dB_m
2. DC voltage: 0 V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

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	-
2700 ~ 3100	MHz	(dB)	30.0	40.0	-
3100 ~ 4000	MHz	(dB)	20.0	29.0	-
4000 ~ 5000	MHz	(dB)	10.0	20.0	-
VSWR (2400~2483.5 MHz)			-	1.7	2.6
Source impedance	Z_s	(Ω)	-	50	-
Load impedance	Z_L	(Ω)	-	50	-

Note1. The standard definitions is in JIS C 6703

C. OUTLINE DRAWING:

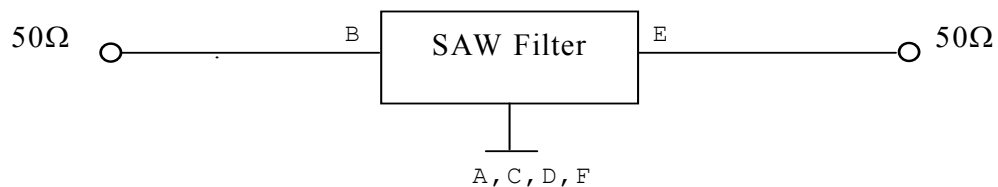


△ : Year Code (2010->0, ..., 2019->9)

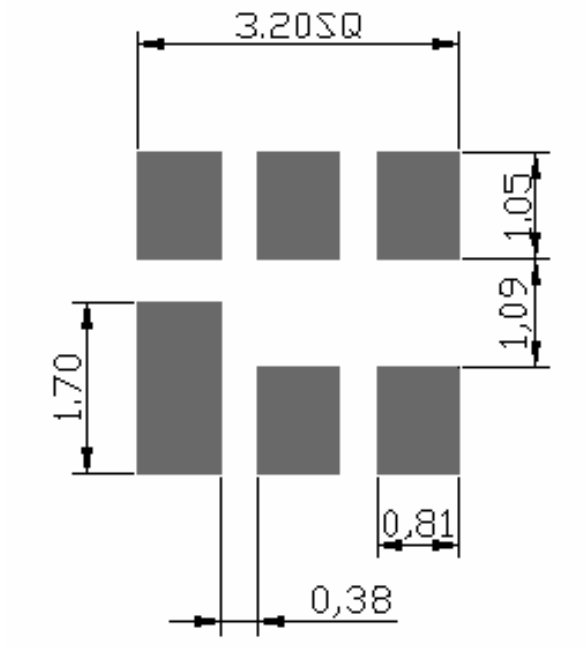
□ : Date Code (W01->A, W02->B,...,W27->a,...,W52->z)

D. MEASUREMENT CIRCUIT:

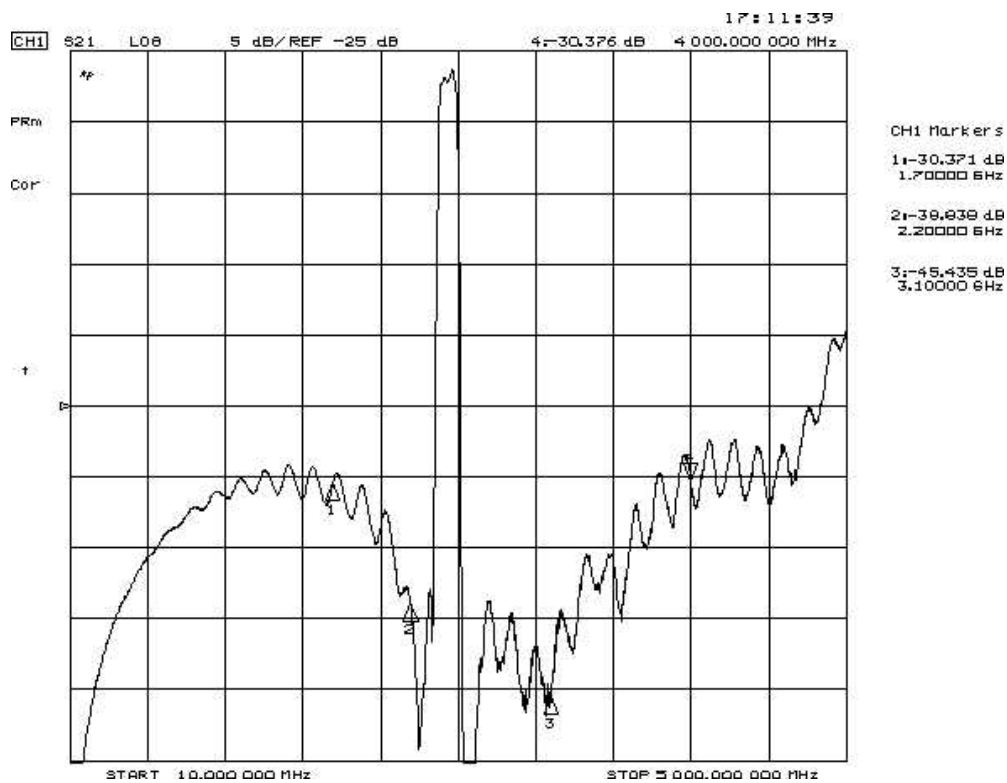
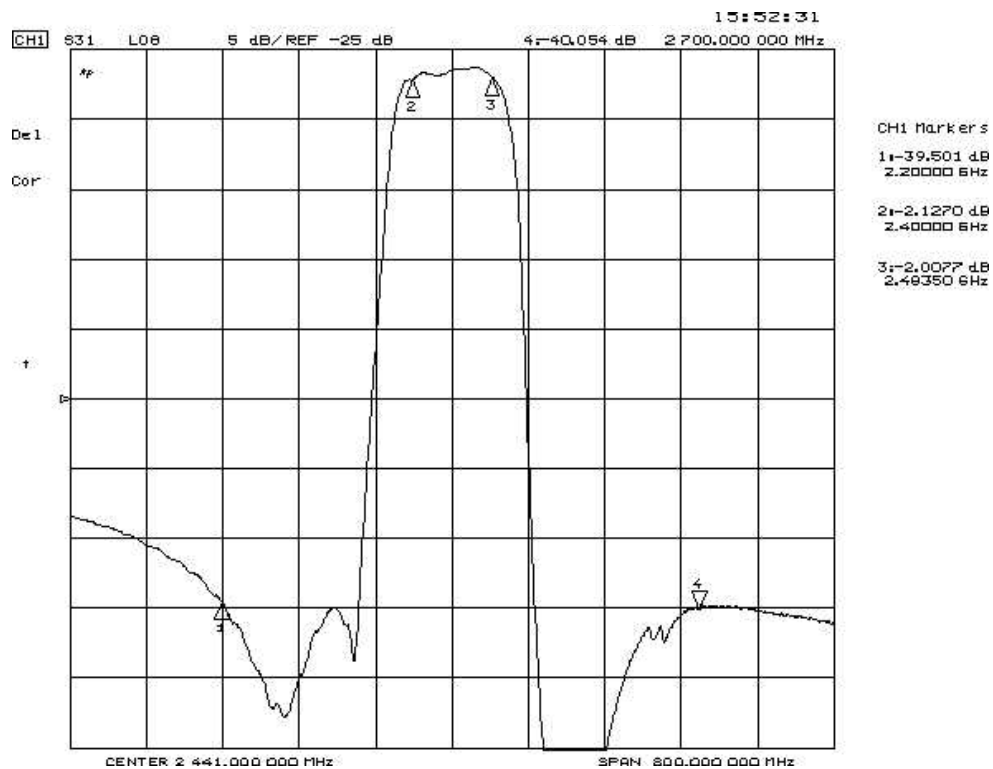
HP Network analyzer



E. PCB Footprint:

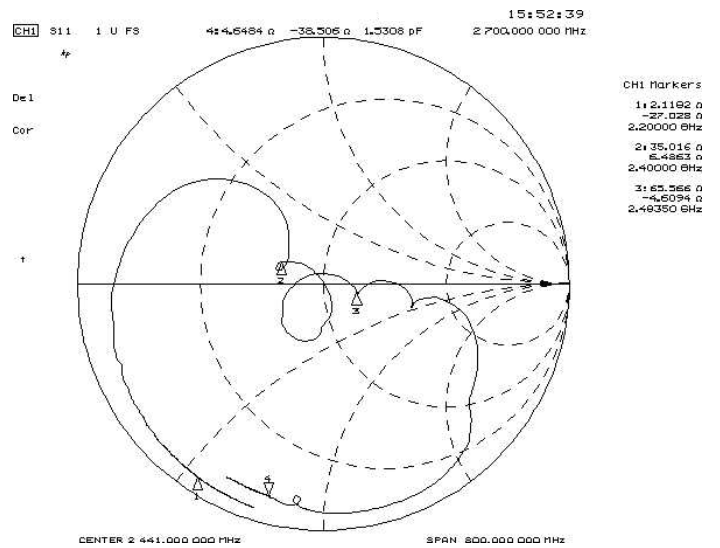
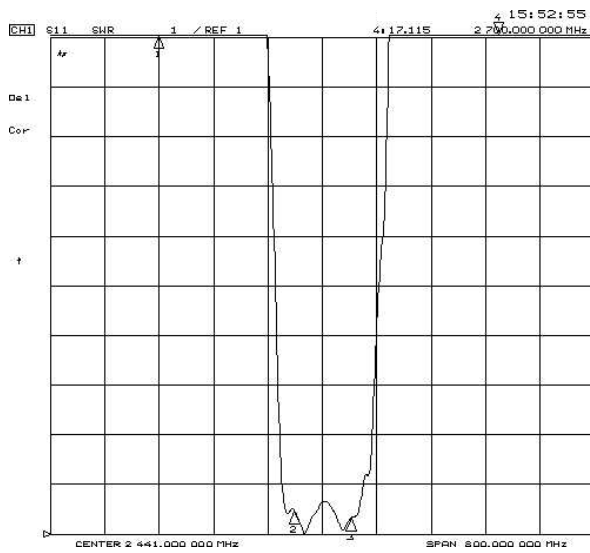


F. Frequency Characteristics : Transfer function

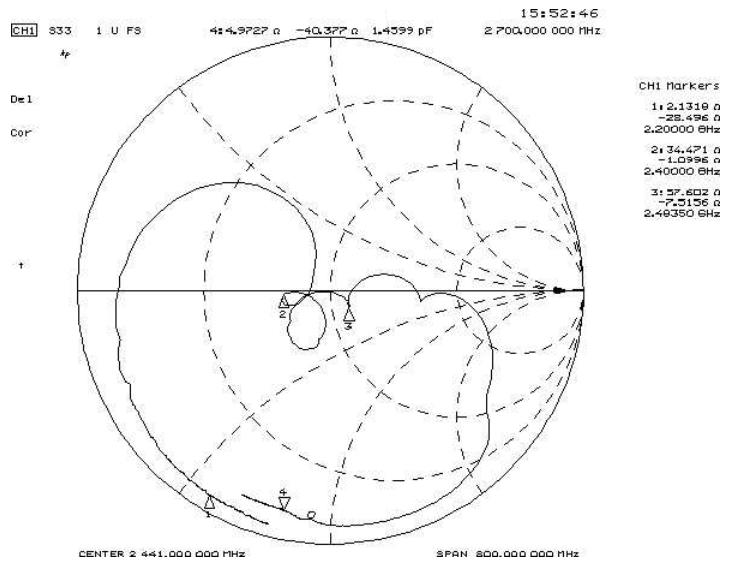
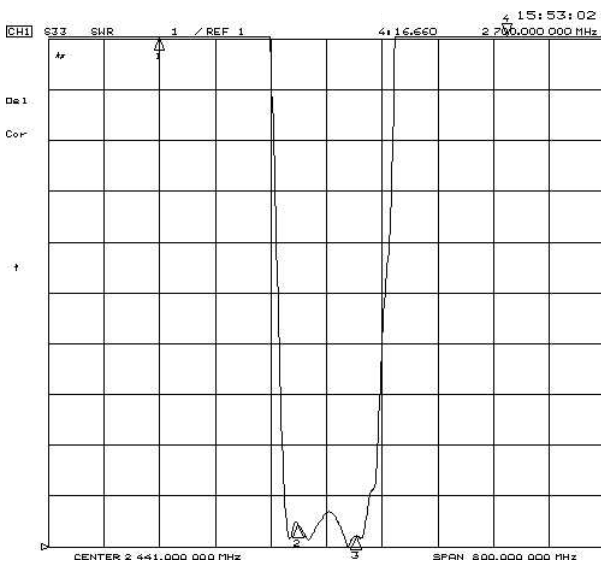


Reflections Functions :

S11 VSWR

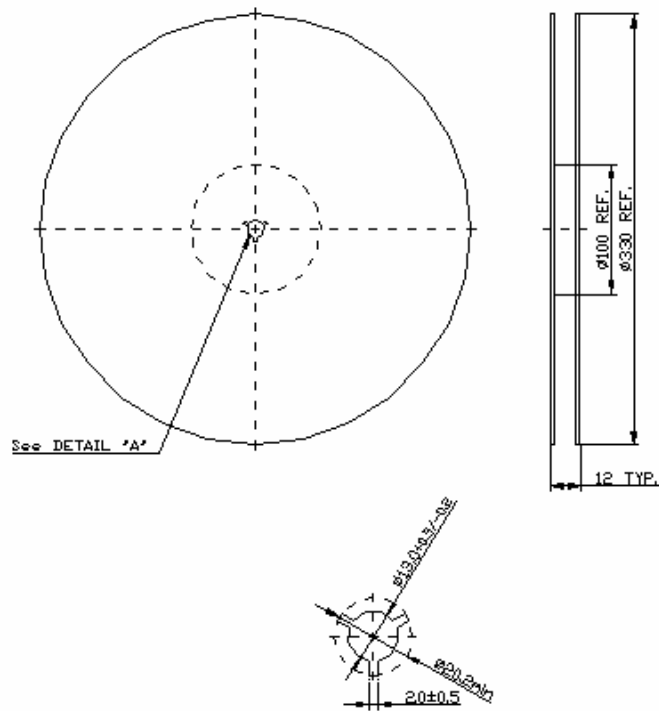


S22 VSWR

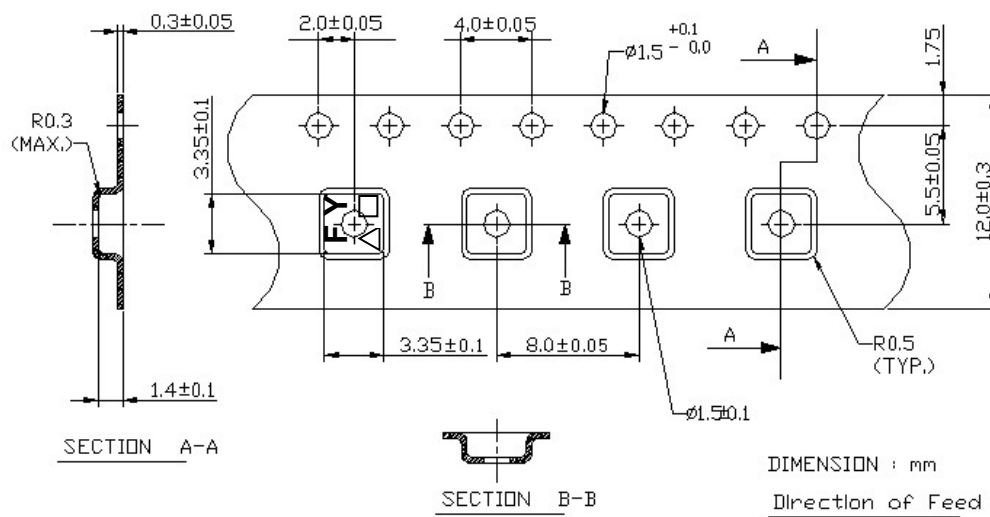


G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

1. Preheating shall be fixed at 150~180°C for 60~90 seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
3. Heating shall be fixed at 220°C for 50~80 seconds and at 245~260°C peak (min. 10sec).
4. Time : 2 times.

