TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.
TEL: 886-3-4690038 FAX: 886-3-4697532
E-mail: tstsales@mail.taisaw.com Web: www.taisaw.com

Approval Sheet For Product Specification

Issued Date: March, 12, 2008

Product Name: SAW Filter 2375MHz SMD 3.0X3.0 mm(BW=100MHz)

TST Parts No. :TA0819A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by: Paul Ni

Approval by: Francis chen

Date: 03, 12, 2008

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SAW Filter 2375MHz

MODEL NO.: TA0819A REV. NO：2.0

A. MAXIMUM RATING:

RoHS Compliant
Lead free
Lead-free soldering

1.Input Power Level: 10 dB_m

2.DC voltage: 3 V

3.Operating Temperature: 0°C to +80°C

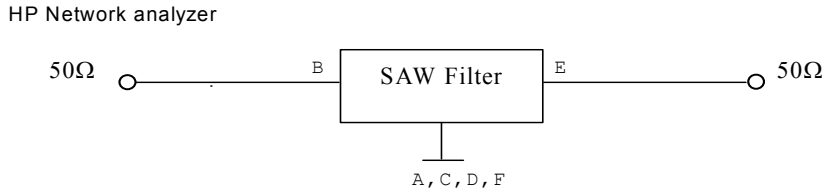
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

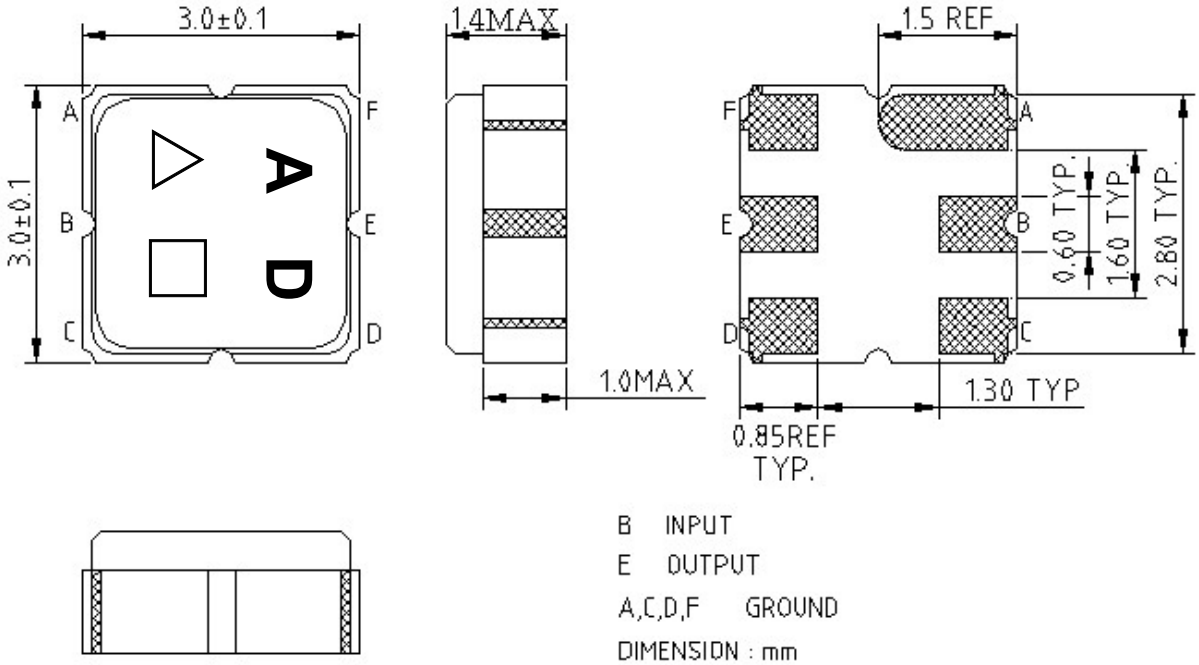
Item			Min.	Typ.	Max.
Center frequency	**Fc**	**MHz**	-	2375	-
Insertion loss(2360 ~ 2390MHz)	**IL**	**dB**	-	1.8	2.5
Insertion loss(2310 ~ 2360MHz)	**IL**	**dB**	-	2.8	4.5
Insertion loss(2300 ~ 2310MHz)	**IL**	**dB**	-	4.8	6.0
Insertion loss(2390 ~ 2400MHz)	**IL**	**dB**	-	2.8	4.5
Amplitude ripple (2360~2390 MHz)		**dB**	-	0.6	1.0
Amplitude ripple (2310~2360 MHz)		**dB**	-	1.1	1.5
Amplitude ripple (2300~2310 MHz)		**dB**	-	1.7	2.5
Amplitude ripple (2390~2400 MHz)		**dB**	-	1.1	2.0
VSWR (2300~2400 MHz)				1.85	2.5
Attenuation (Reference level from 0 dB)					
D.C. ~ 2200 MHz		**dB**	23	29.5	-
2452 ~ 2472 MHz		**dB**	45	62	-
2472 ~ 4000 MHz		**dB**	30	35	-
Temperature Coefficient		**Ppm/℃**	-	-36	-
Source impedance	**Zs**	**Ω**	-	50	-
Load impedance	**Z_L**	**Ω**	-	50	-

C. MEASUREMENT CIRCUIT:

50 Ohm Test circuit (single-ended / single-ended)



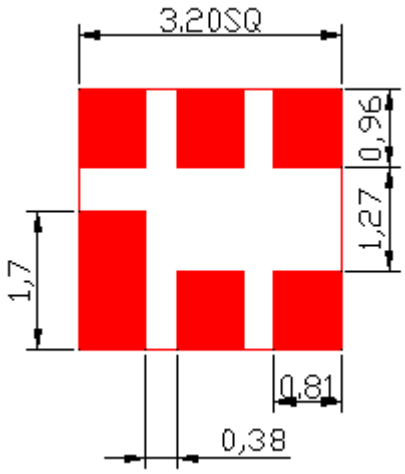
D.OUTLINE DRAWING:



△ : Year Code(2007➔7,…2009➔9)

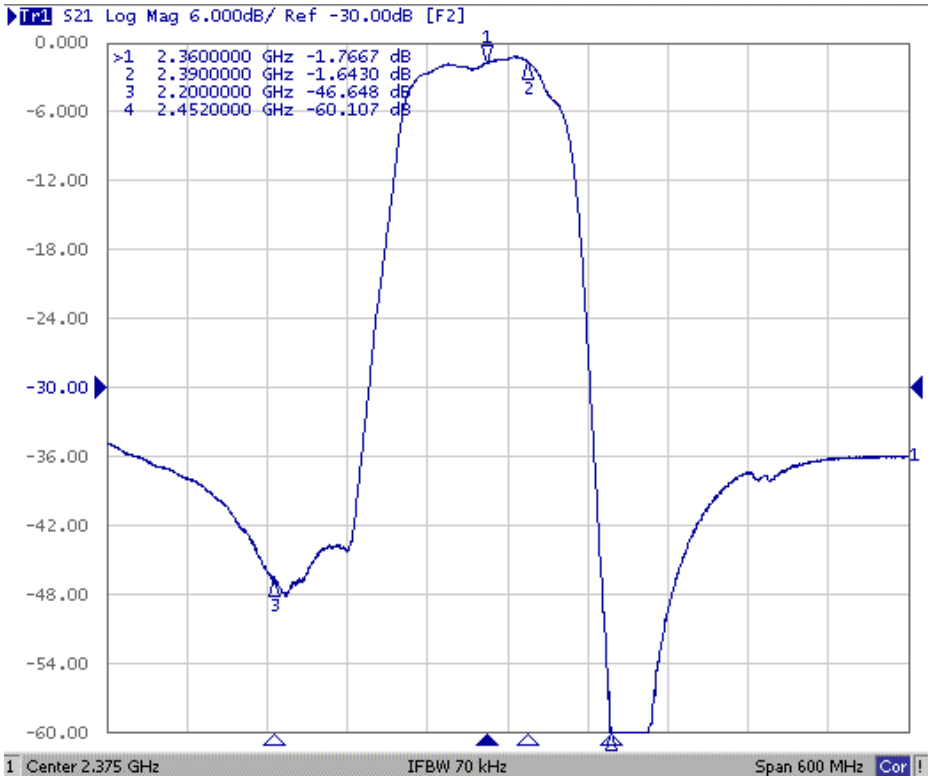
□ : Date Code(Follow the table from planner each year)

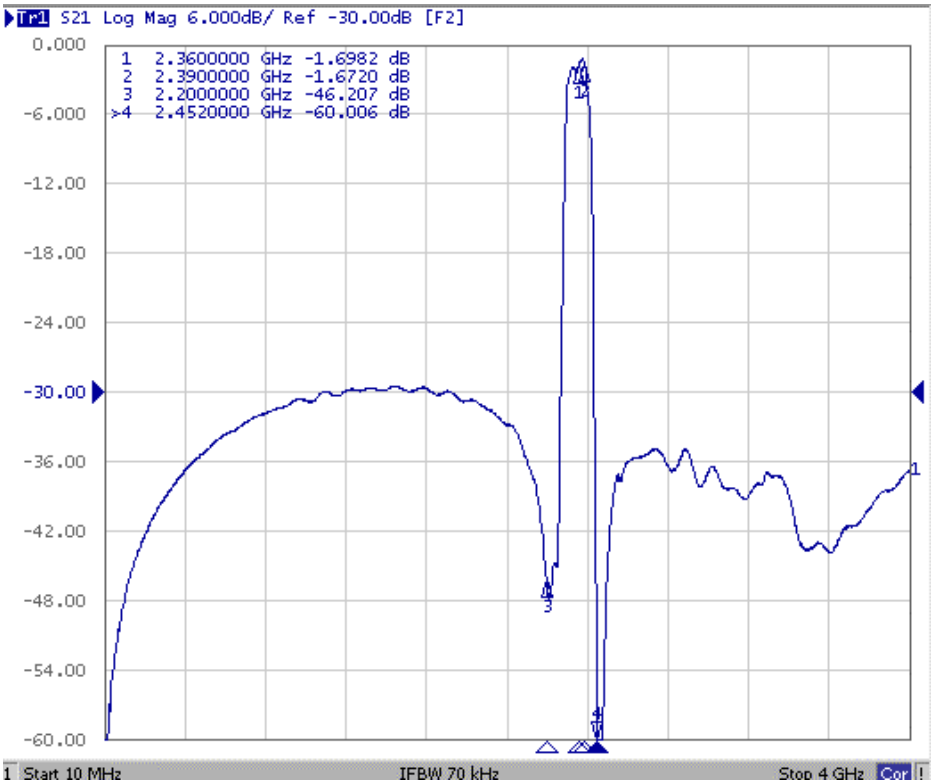
E. PCB Footprint：


3.20SQ
0.96
1.27
1.7
0.81
0.38

F. Frequency Characteristics :

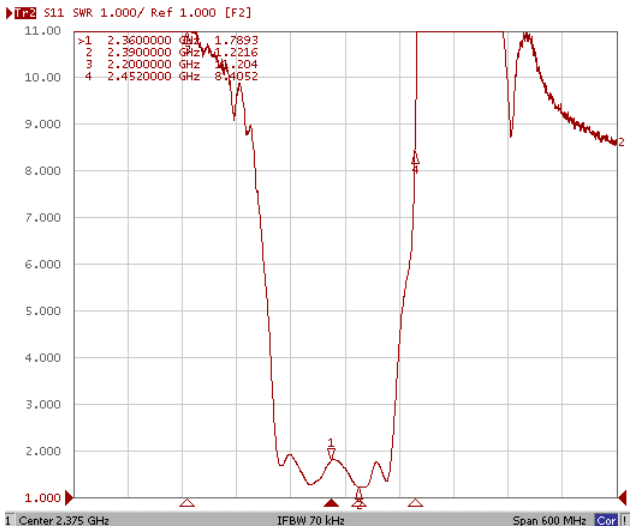
Transfer function

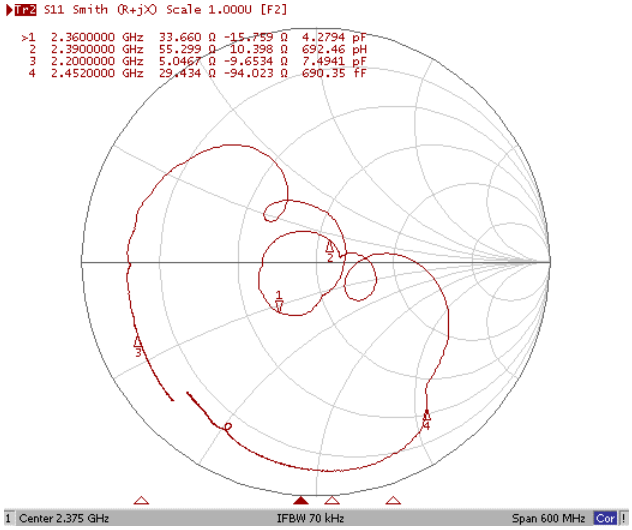




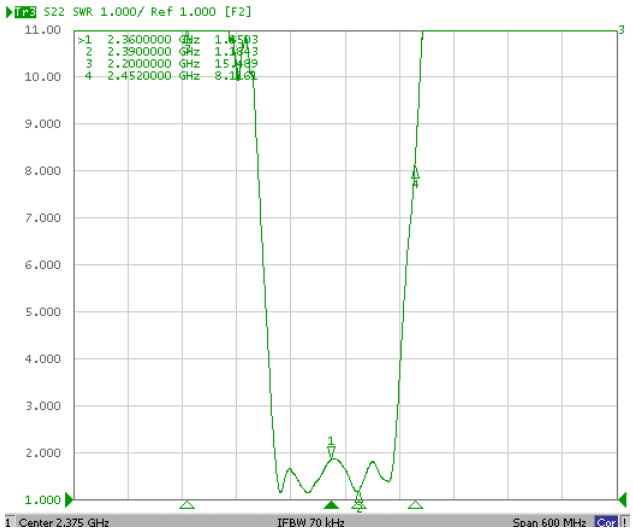
Reflection Functions：

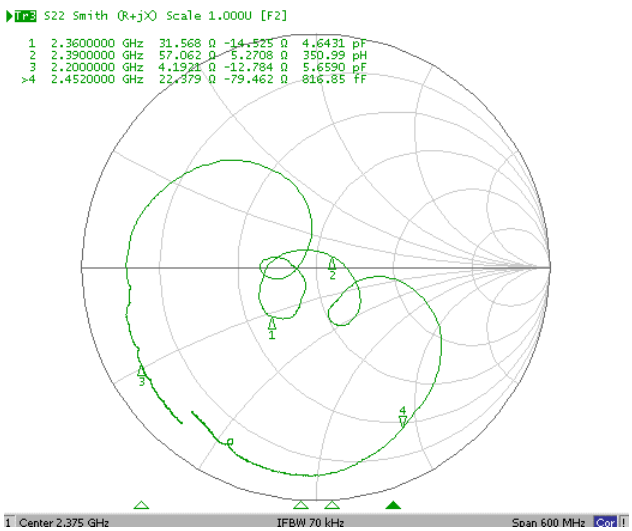
S11





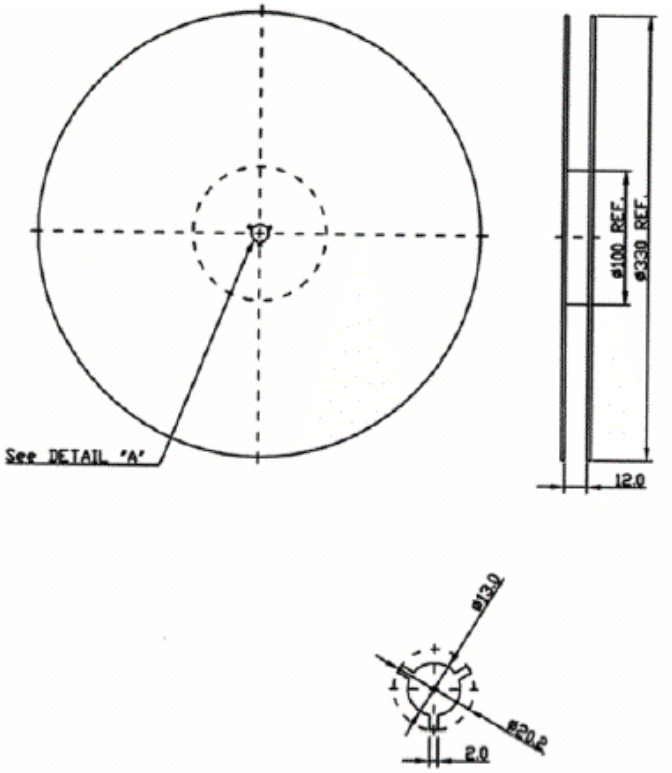
S22



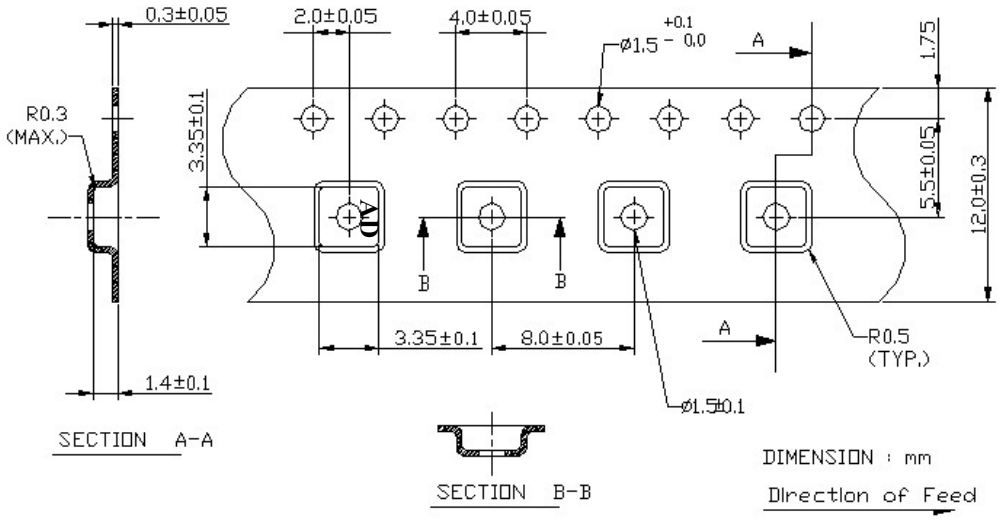


G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE: