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

Product Specifications Approval Sheet

Product Description: SAW Filter 781.5 MHz SMD 3.0x3.0 mm

TST Part No.: TA1239A

Customer Part No.:_____

Customer signature required

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by: David Chang 張閔智

Approved by: Francis Chen

Date: 2010/12/15

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 781.5 MHz

MODEL NO.:TA1239A REV. NO.2

A. MAXIMUM RATING:

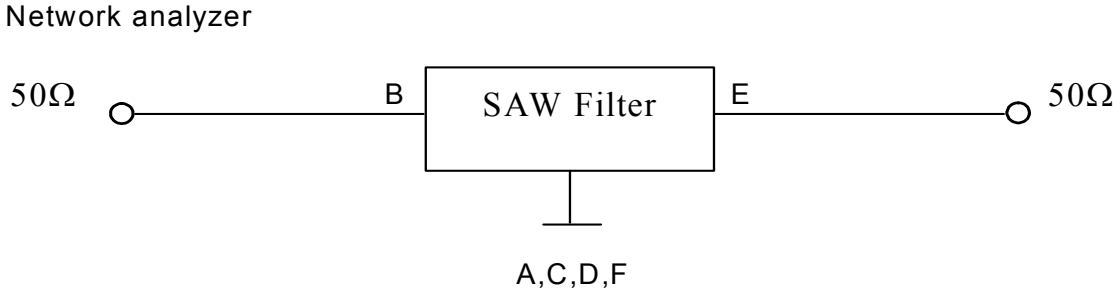
1. Input Power Level: +25 dBm
2. DC Voltage : 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

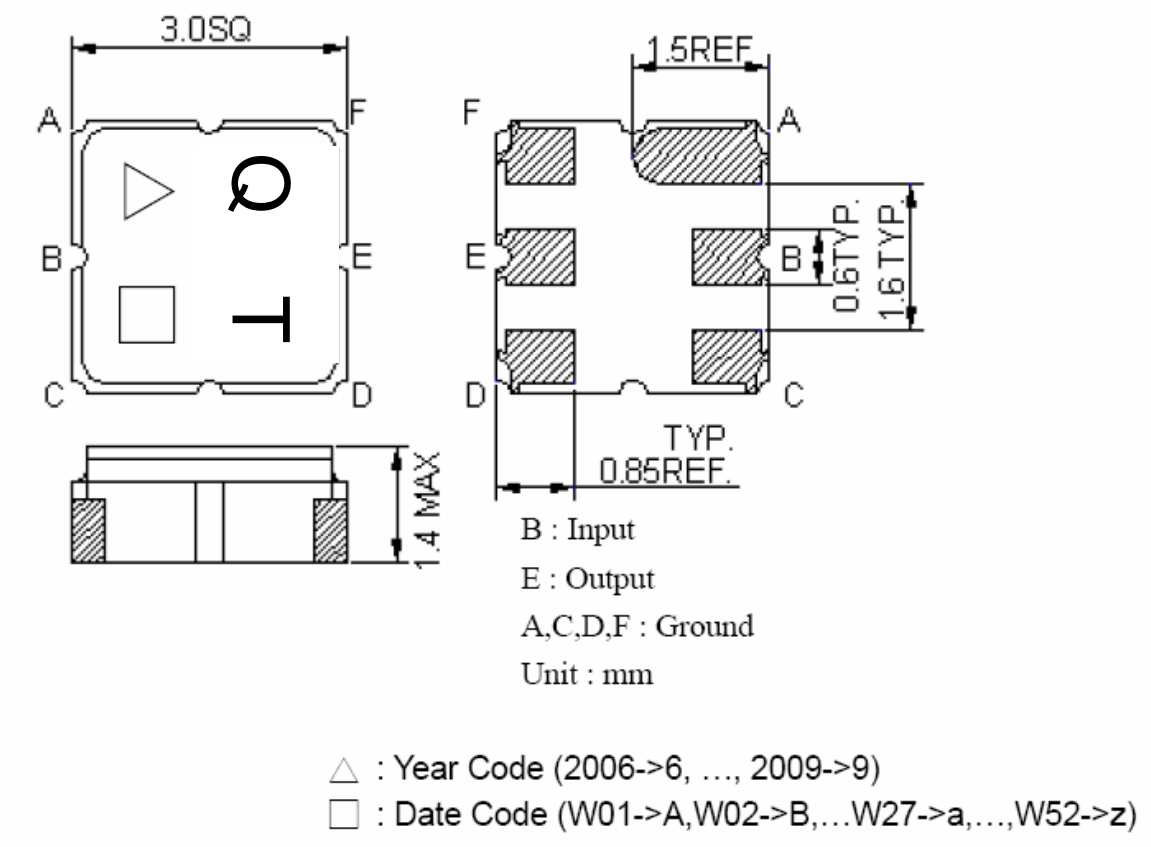
B. ELECTRICAL CHARACTERISTICS:

Item		Unit	Min.	Typ.	Max.
Center Frequency	**Fc**	MHz	-	781.5	-
Insertion loss (775~788 MHz)	**IL**	dB	-	2.2	4
Insertion loss (777~787 MHz)	**IL**	dB	-	2.1	3
Bandwidth		MHz	13	25	-
Amplitude Ripple (775 ~ 788 MHz)		dB	-	0.35	1
Attenuation (Reference level from 0 dB)					
300 ~ 700 MHz		dB	28	64	-
728 ~ 757 MHz		dB	10	49	-
880 ~ 1050 MHz		dB	28	70	-
Temperature Coefficient of Frequency		Ppm/℃	-	-36	-

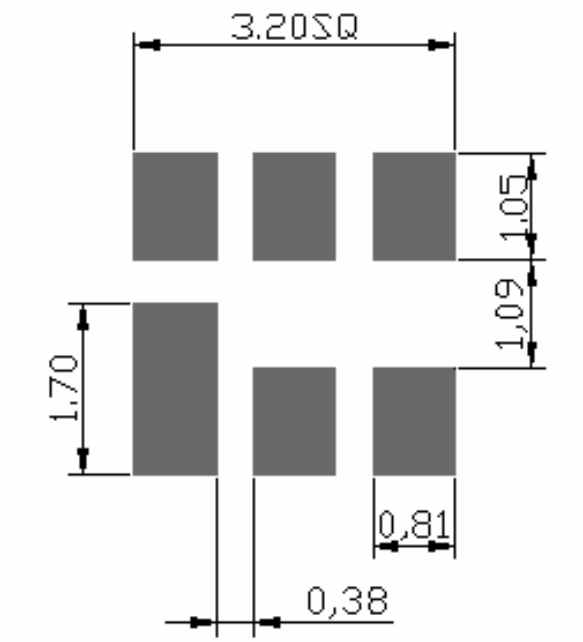
C. MEASUREMENT CIRCUIT:



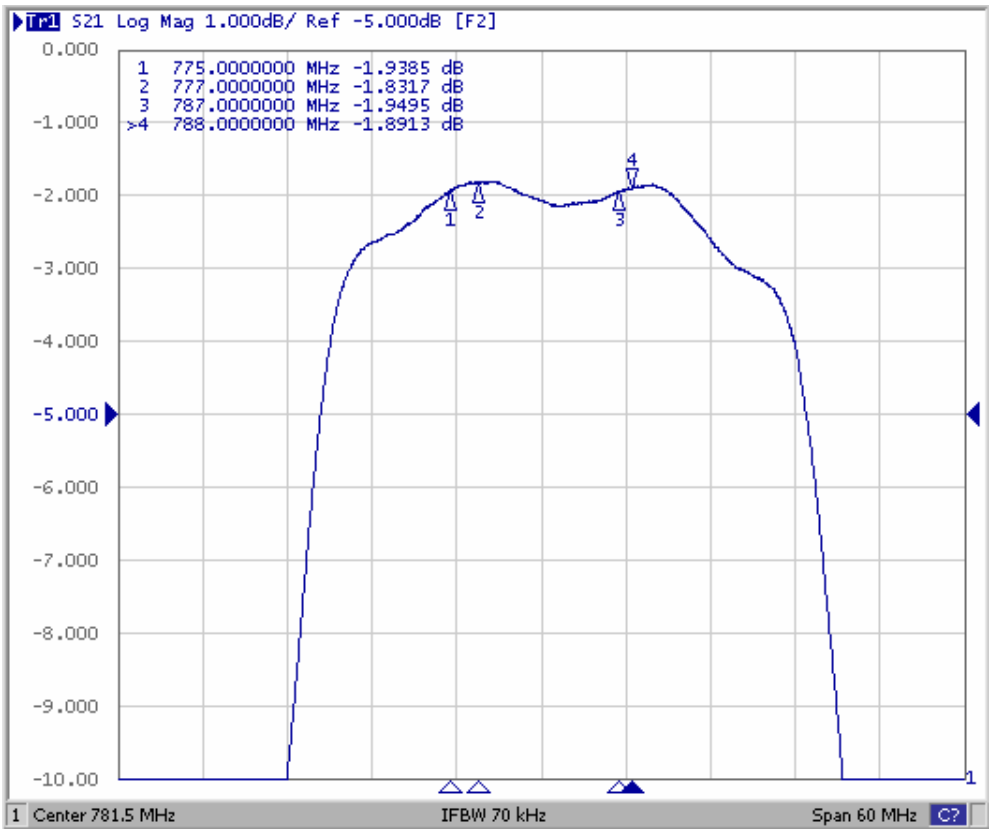
D.OUTLINE DRAWING:

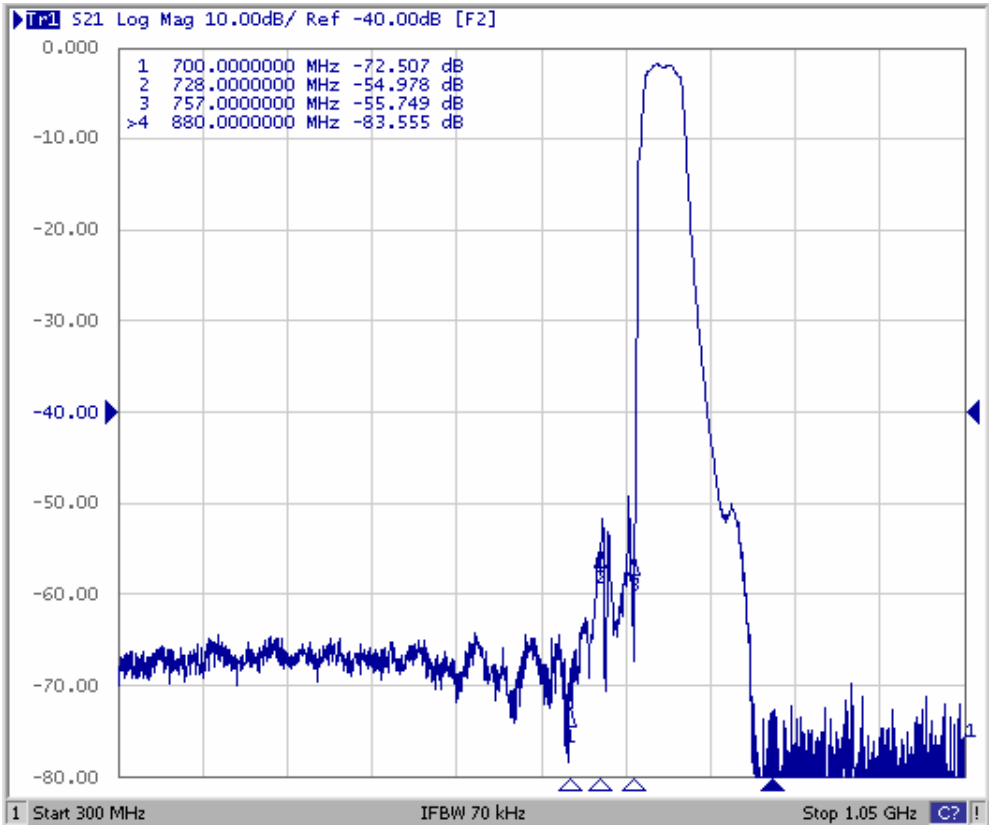


E. PCB Footprint:



F. Frequency Characteristics : (typical performance at 25℃)

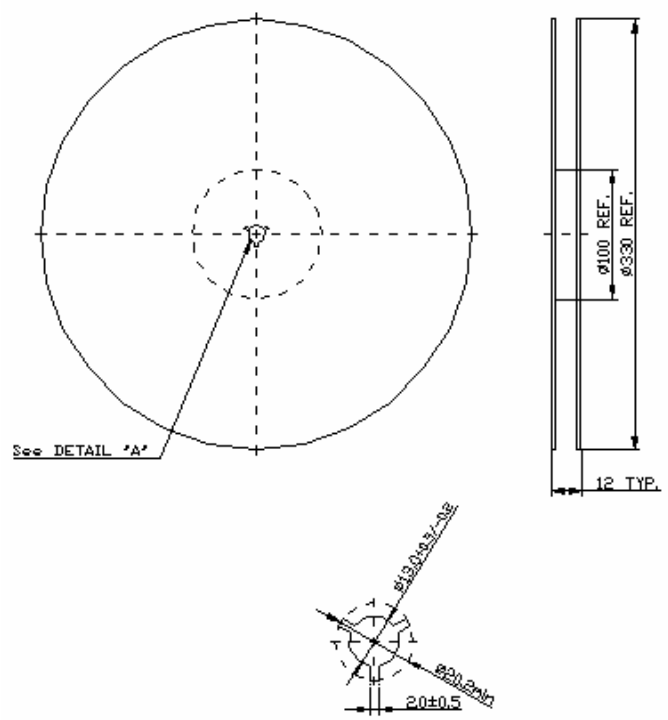




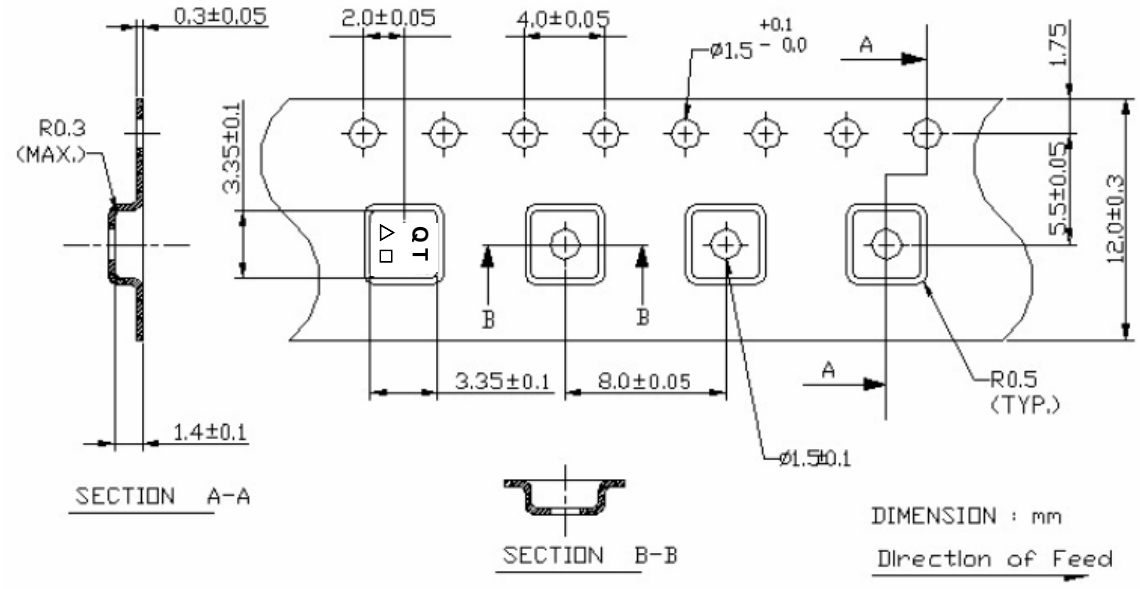
G. PACKING:

1. REEL DIMENSION

(Reel Count : 7”=1000 ; 13”=3000)



2.TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE:

1. Preheating shall be fixed at 150~180℃ for 60~90 seconds.
2. Ascending time to preheating temperature 150℃ shall be 30 seconds min.
3. Heating shall be fixed at 220℃ for 50~80 seconds and at 250±10℃ peak (max. 10sec).
4. Time : 2 times.