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 793 MHz SMD 3.0x3.0 mm (BW=10 MHz)

TST Part No.: TA1409A

Customer Part No.:_____

Customer signature required

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ David Chang 張閔智 _____

Approved by:_____ Francis Chen  _____

Date:_____ 2011/09/06 _____

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 793 MHz

MODEL NO.:TA1409A REV. NO.1

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

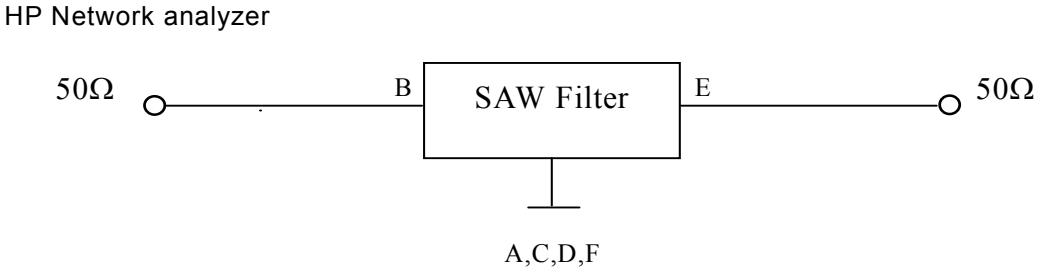
RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device (ESD)

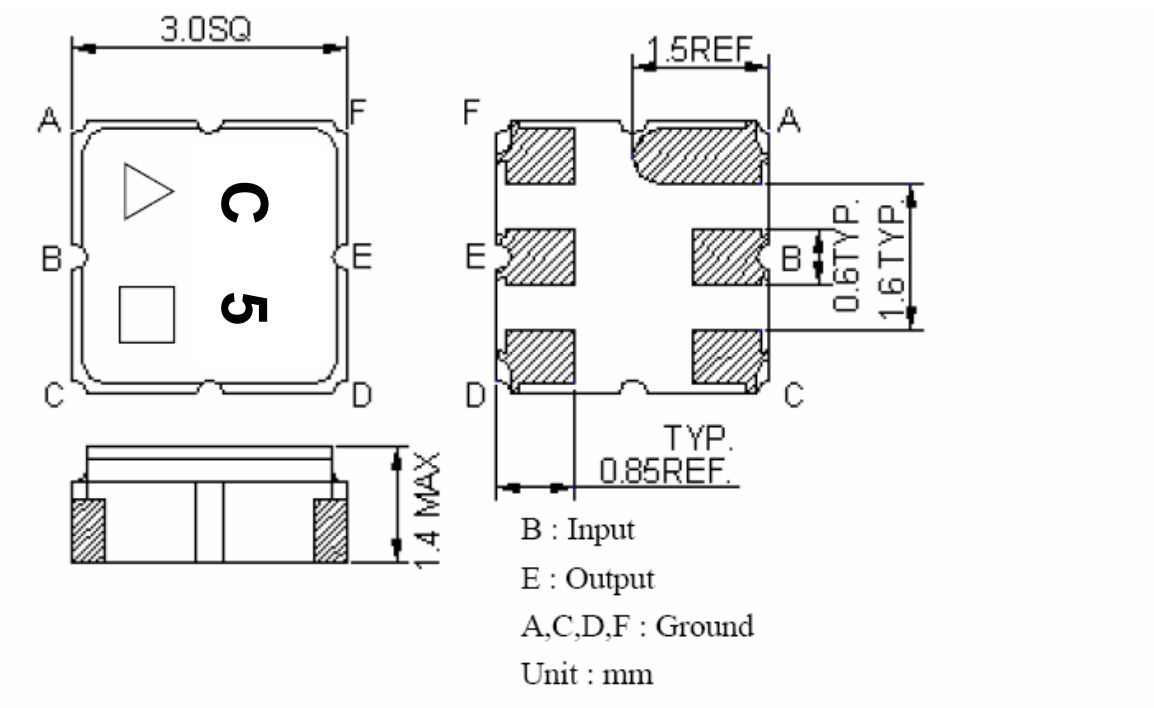
B. ELECTRICAL CHARACTERISTICS:

Item		Unit	Min.	Typ.	Max.
Center Frequency	**Fc**	MHz	-	793	-
Insertion loss (788~798 MHz)	**IL**	dB	-	1.8	2.5
Amplitude Ripple (788~798 MHz)		dB	-	0.7	1.5
Return Loss (788~798 MHz)		dB	10	13	-
Group Delay at Fc		ns	-	39	60
Group Delay Variation (788~798 MHz)		ns	-	18	60
Attenuation (Reference level from 0 dB)					
0 ~ 445 MHz		dB	36	41	-
445 ~ 465 MHz		dB	36	41	-
465 ~ 700 MHz		dB	35	40	-
758 ~ 768 MHz		dB	35	45	-
848 ~ 890 MHz		dB	35	44	-
1000 ~ 2000 MHz		dB	30	41	-
Temperature Coefficient of Frequency		Ppm/℃	-	-36	-

C. MEASUREMENT CIRCUIT:



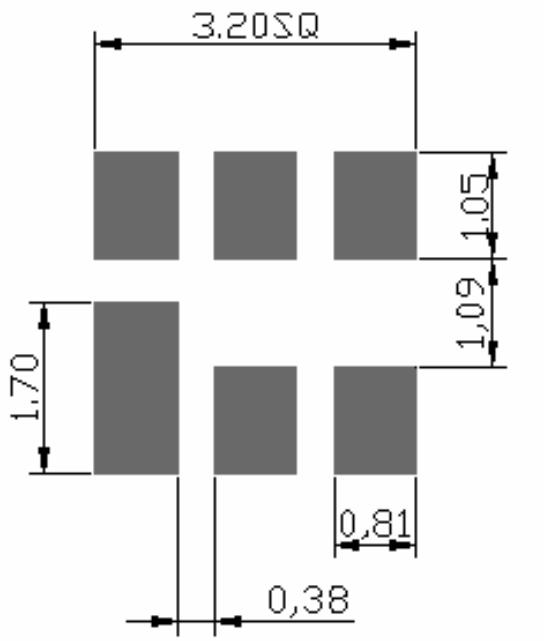
D. OUTLINE DRAWING:



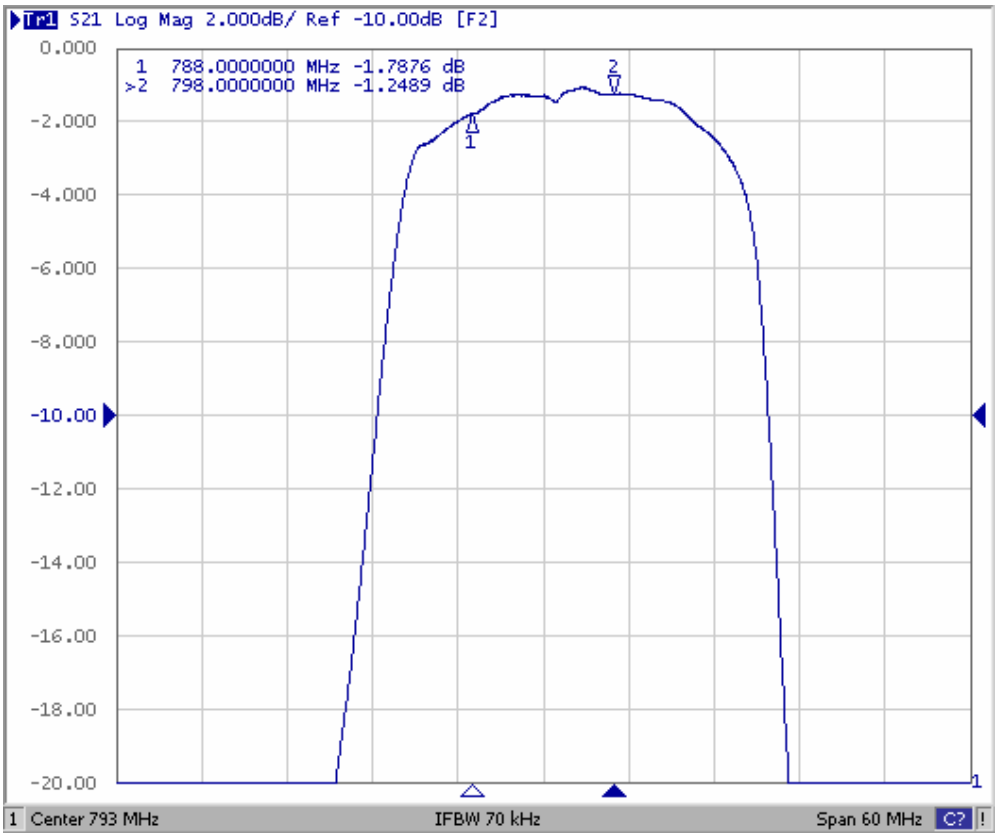
△: Year Code(2010->0,…,2019->9)

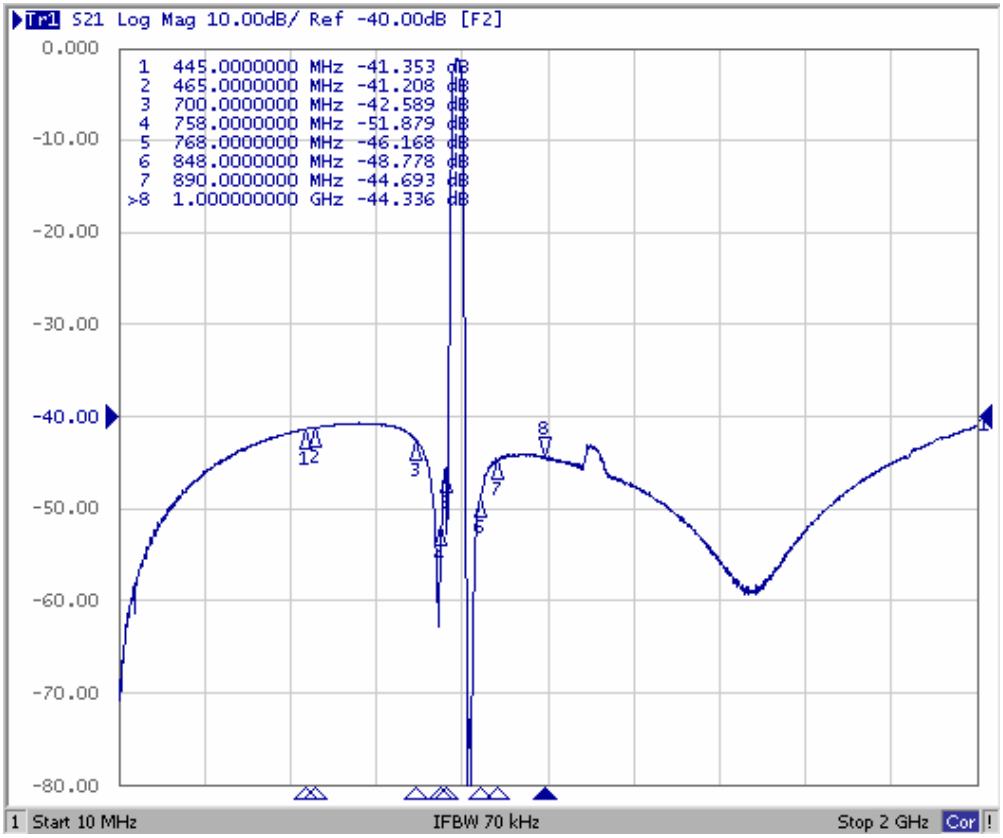
□: Date Code(W01->A, W02->B,…, W27->a, W52->z)

E. PCB Footprint:



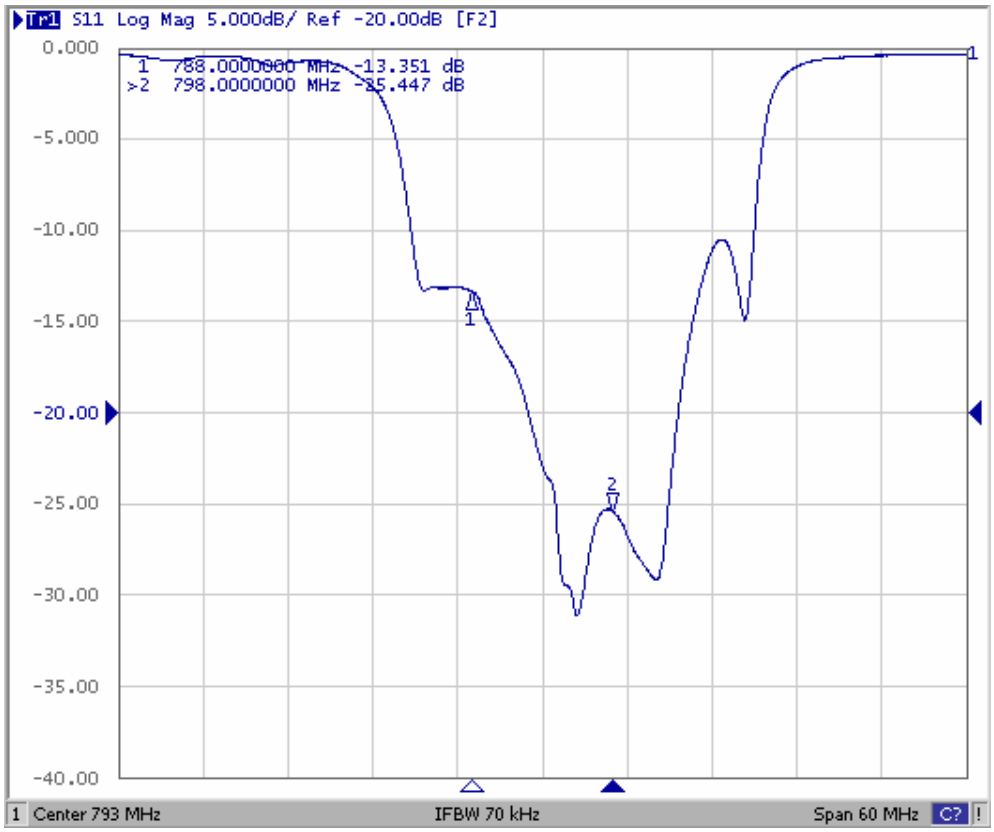
F. Frequency Characteristics: (typical performance at 25℃)



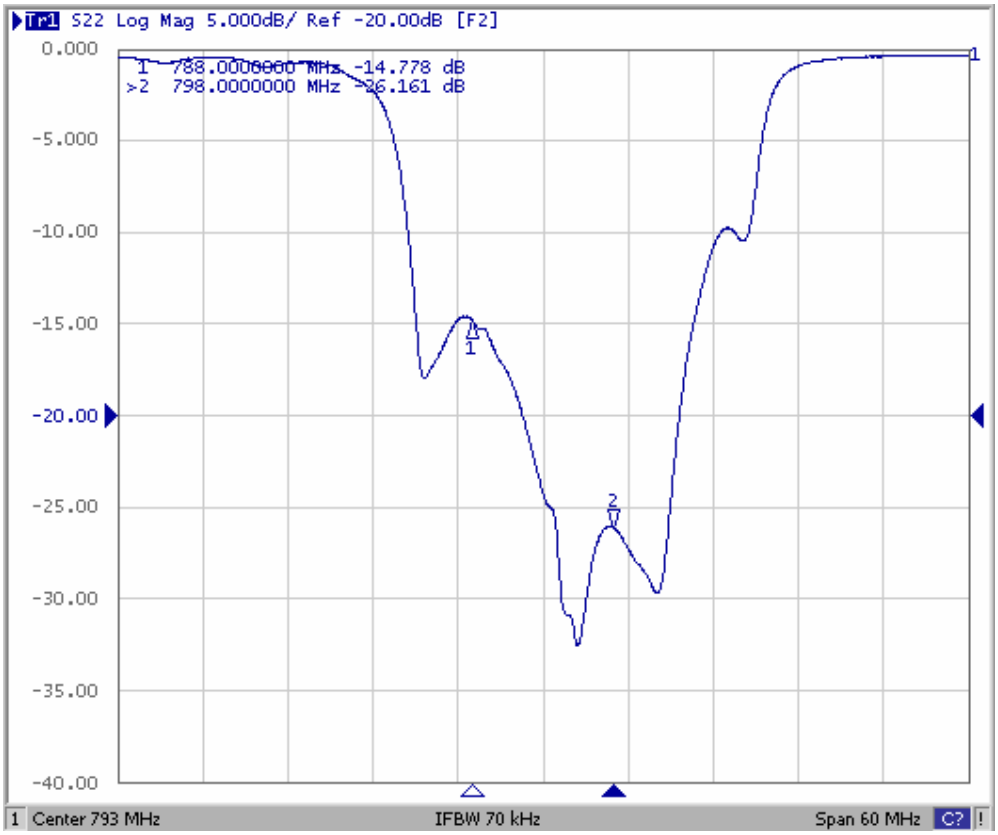


Reflection Functions: (typical performance at 25℃)

S11



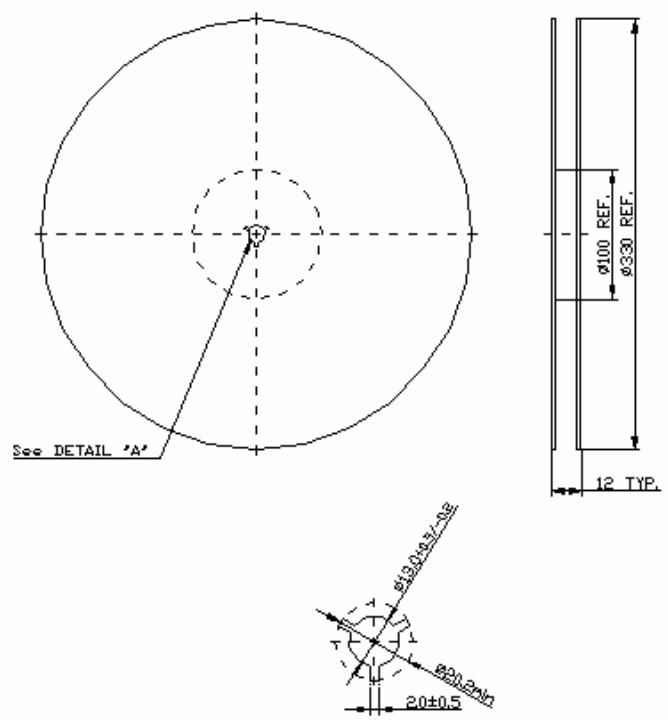
S22



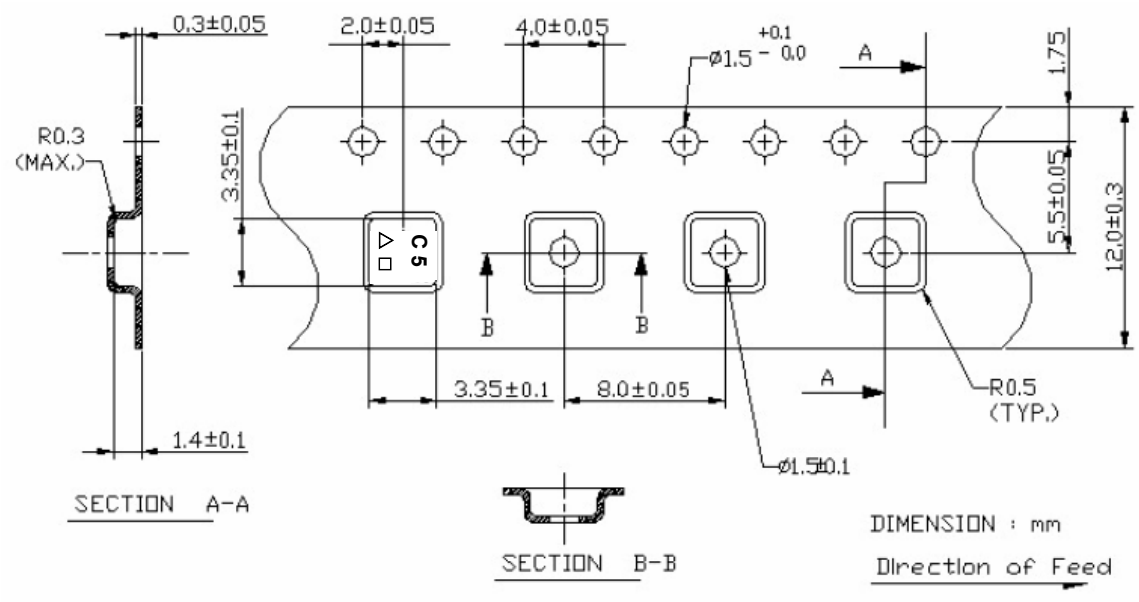
G. PACKING:

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.