

TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,

Taoyuan, 324, Taiwan, R.O.C.

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Product Specifications Approval Sheet

Product Description: SAW Filter 793 MHz SMD 3.0x3.0 mm (BW=10 MHz)

TST Part No.: TA1244A

Customer Part No.: _____

Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ David Chang 張閔智

Approved by: _____ Francis Chen 

Date: _____ 2011/02/24

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.:TA1244A

REV. NO.3

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

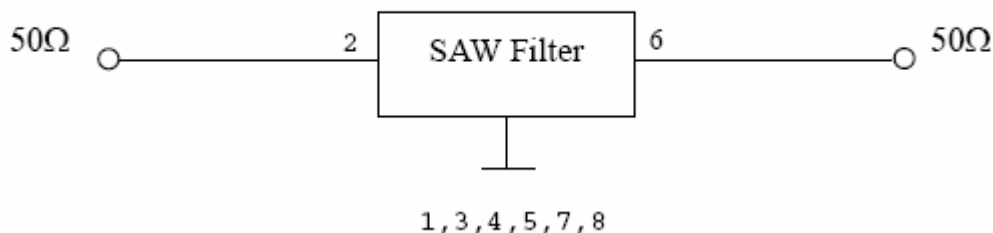
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

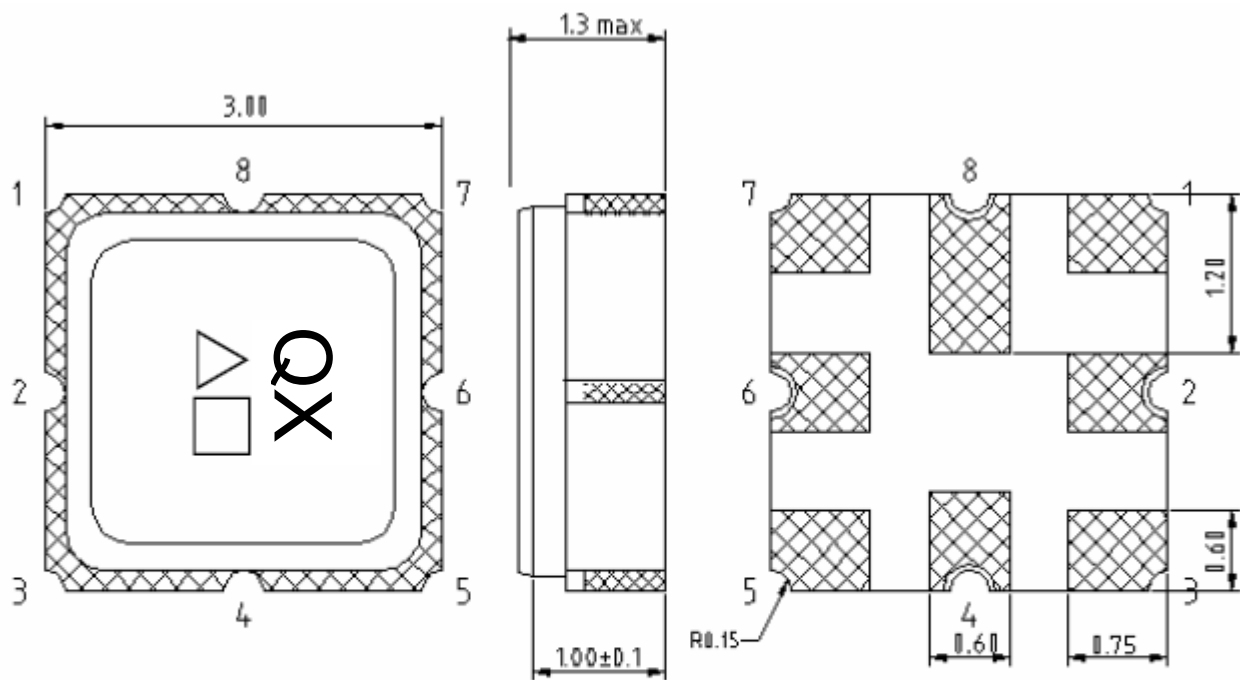
Item	Unit	Min.	Typ.	Max.
Center Frequency Fc	MHz	-	793	-
Insertion loss (788~798 MHz) IL	dB	-	1.6	2.5
Amplitude Ripple (788~798 MHz)	dB	-	0.7	1.5
Return Loss (788~798 MHz)	dB	10	14	-
Group Delay at Fc	ns	-	38	60
Group Delay Variation (788~798 MHz)	ns	-	26	60
Attenuation (Reference level from 0 dB)				
0 ~ 700 MHz	dB	30	40	-
758 ~ 768 MHz	dB	45	54	-
848 ~ 890 MHz	dB	35	43	-
1000 ~ 2000 MHz	dB	25	41	-
Temperature Coefficient of Frequency	Ppm/℃	-	-36	-

C. MEASUREMENT CIRCUIT:

HP Network analyzer

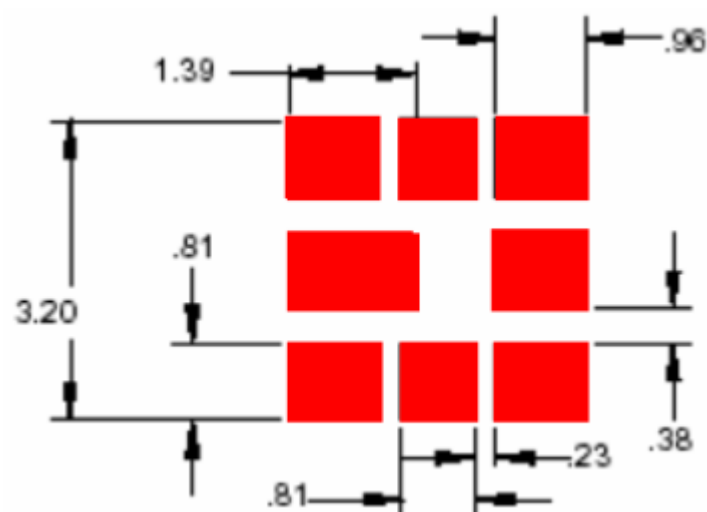


D.OUTLINE DRAWING:

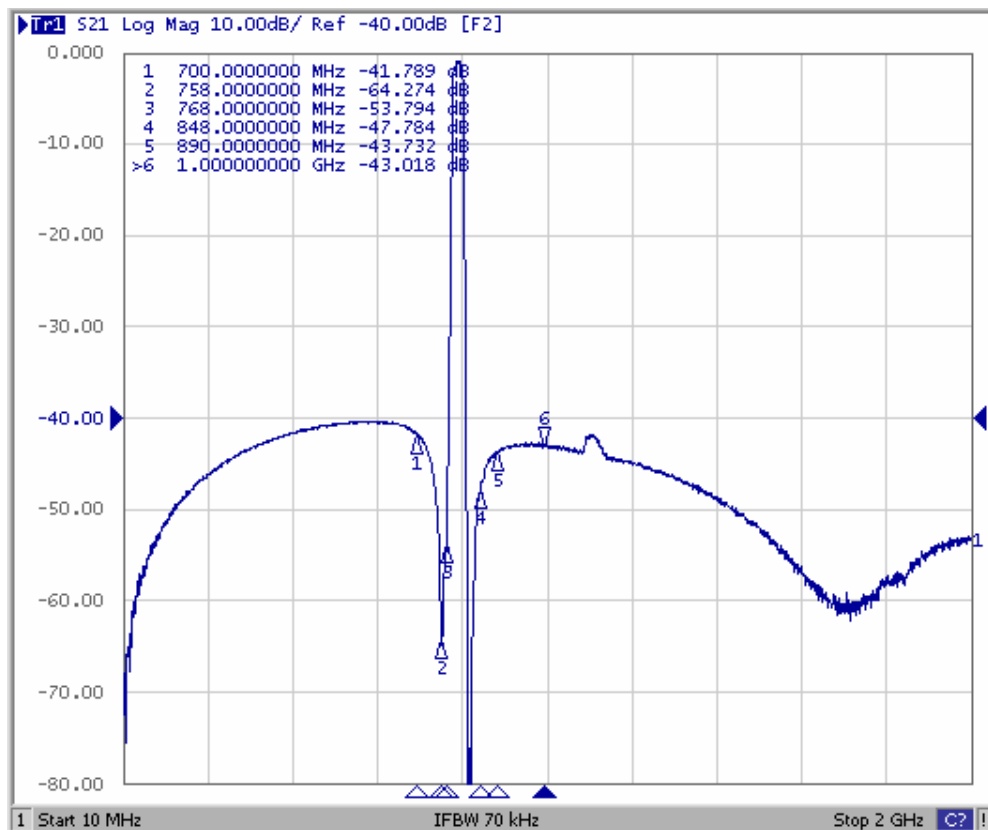
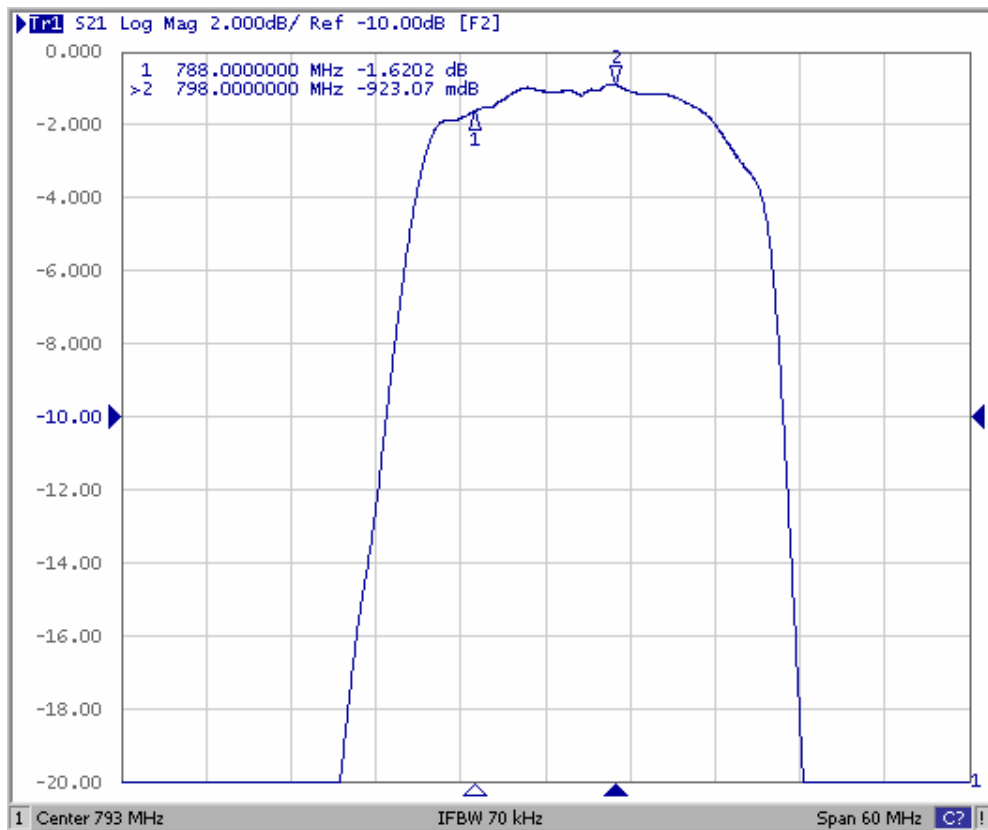


2: Input
 6: Output
 1,3,4,5,7,8: Ground
 △: Year code : 7 for 2007, 8 for 2008,...
 □: Date code : provided by planer each year
 Unit: mm

E. PCB Footprint:

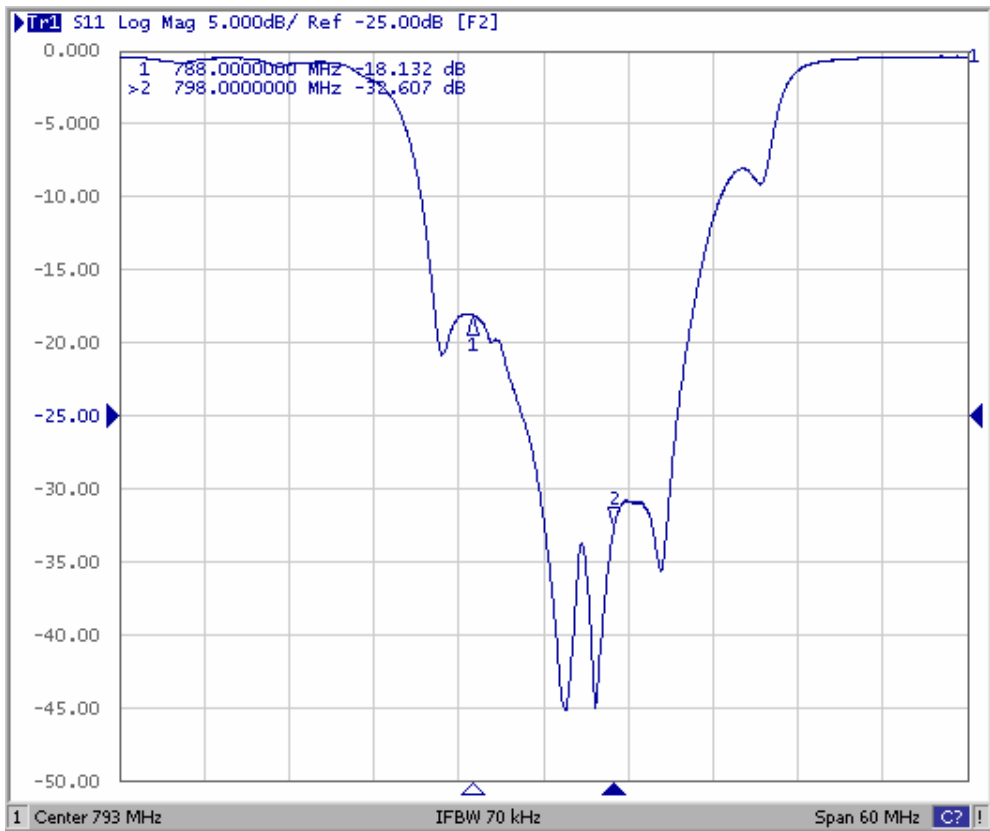


F. Frequency Characteristics: (typical performance at 25°C)

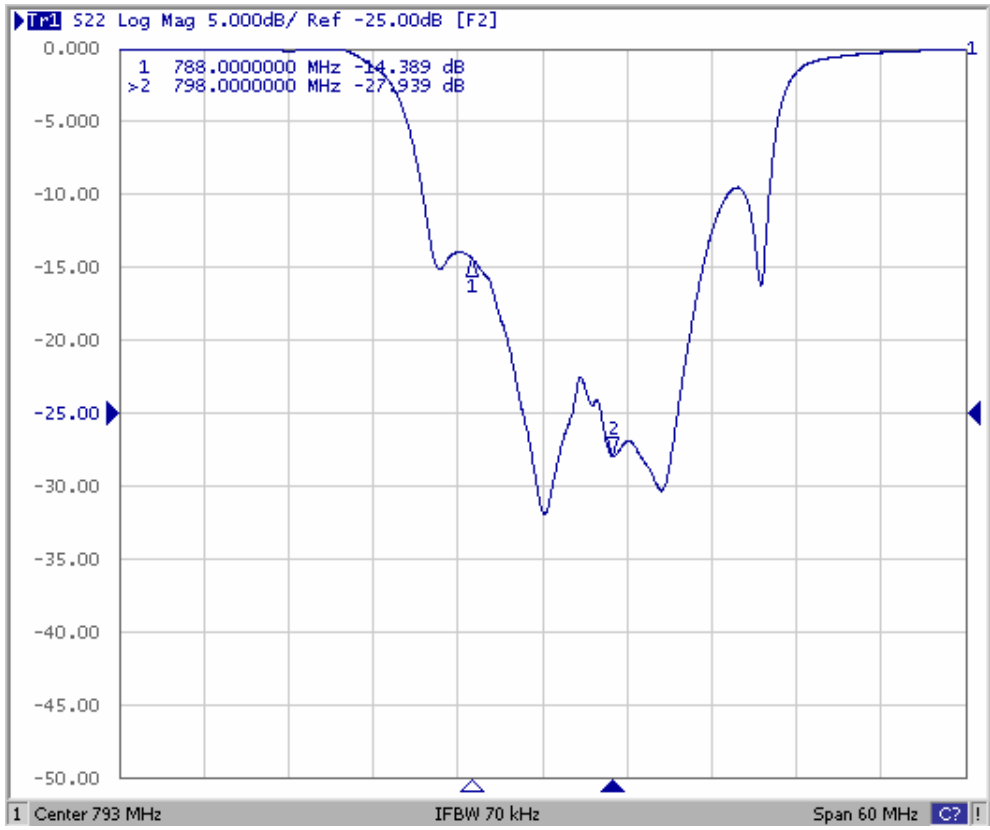


Reflection Functions: (typical performance at 25°C)

S11



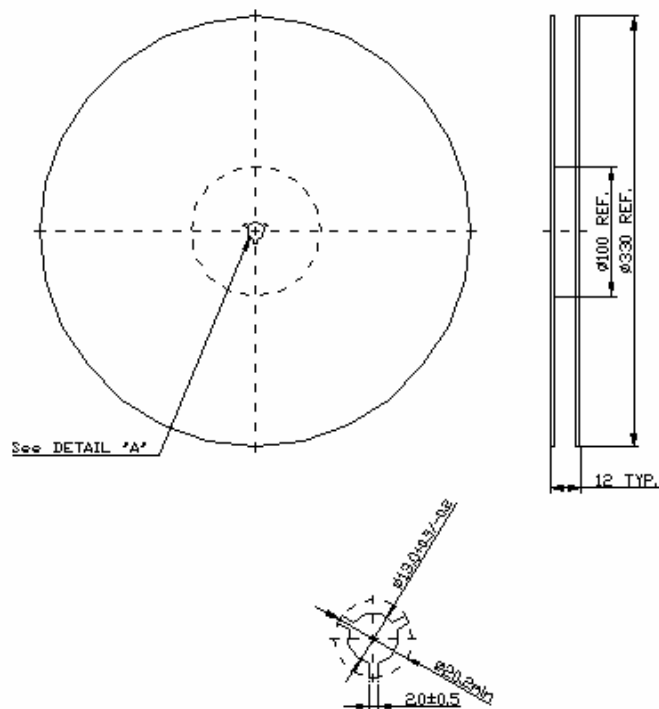
S22



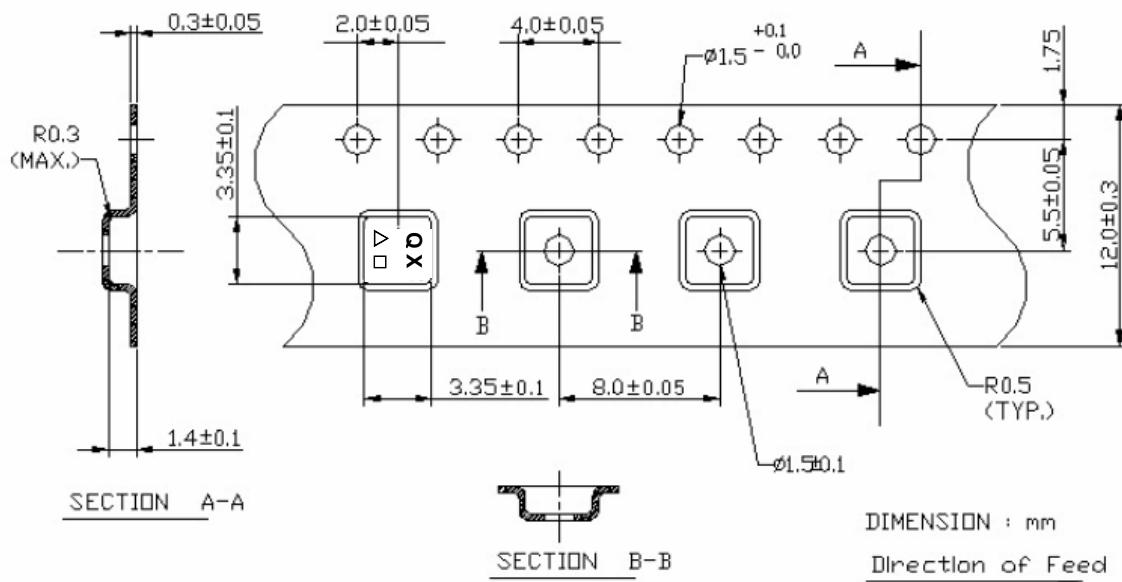
G. PACKING:

1. REEL DIMENSION

(Reel Count : 7"=1000 ; 13"=3000)



2.TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE:

1. Preheating shall be fixed at 150~180°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 250±10°C peak (max. 10sec).
4. Time : 2 times.

