



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 710 MHz SMD 3.8X3.8 mm (BW=12MHz)

TST Part No.: TA0881A

Customer Part No.: _____

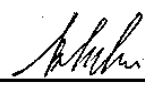
Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Bob Chau 

Approved by: _____ Francis Chen 

Date: _____ 3, 12, 2013

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 710 MHz

MODEL NO.:TA0881A

REV. NO.:2

A. MAXIMUM RATING:

1. Input Power Level: 12 dBm
2. DC Voltage : 3V
3. Operating Temperature: -20°C to +75°C
4. Storage Temperature: -40°C to +85°C

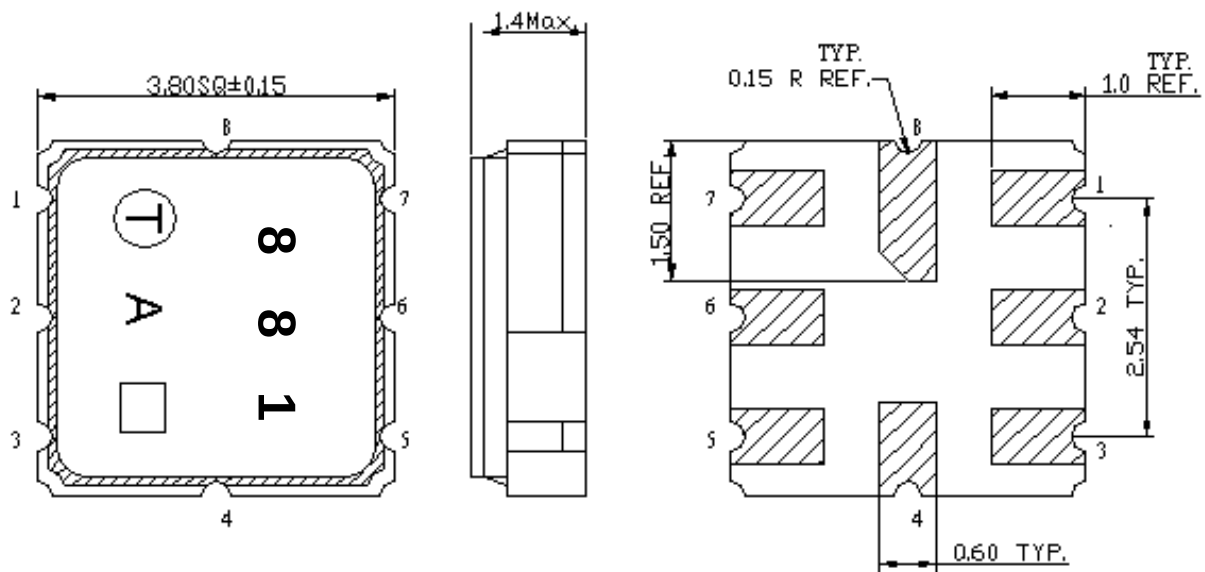
RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency Fc	MHz	-	710	-	-
Insertion loss (704~716MHz) IL	dB	-	1.6	4.5	-
Amplitude Ripple (704 ~ 716 MHz)	dB	-	0.8	2	-
Group Delay Variation (704~716 MHz)	ns	-	20	45	-
Attenuation (Reference level from 0 dB)					
0 ~ 613 MHz	dB	37	41	-	-
613 ~ 663 MHz	dB	37	42	-	-
663 ~ 690 MHz	dB	20	40	-	-
734 ~ 746 MHz	dB	35	55	-	-
763 ~ 813 MHz	dB	40	44	-	-
813 ~ 1000 MHz	dB	38	44	-	-
1000 ~ 1500 MHz	dB	25	44	-	-
Temperature Coefficient of Frequency	Ppm/	-	-35	-	-

C.OUTLINE DRAWING:



2 : Input

6: Output

1,3,4,5,7,8: Ground

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

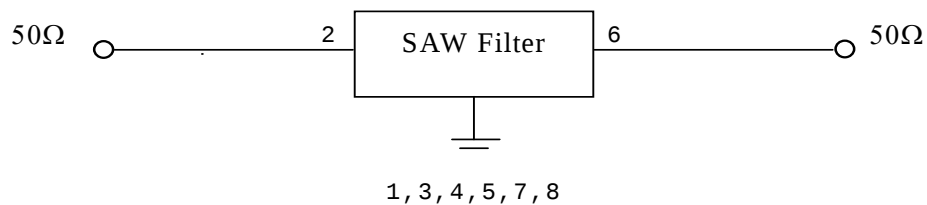
Unit: mm

Product Year Code

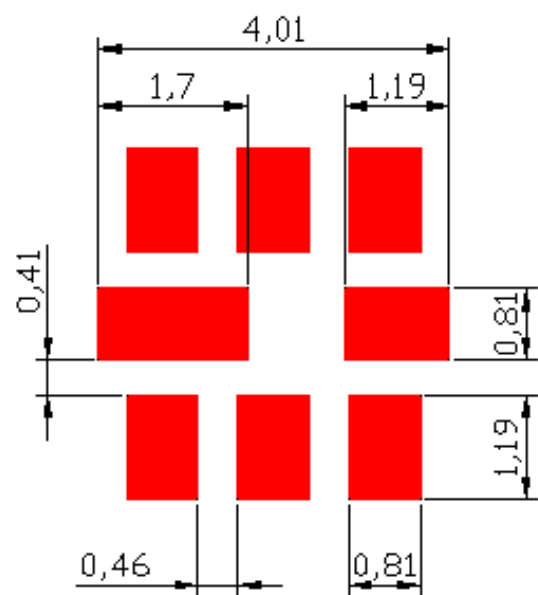
Year	2009 2013	2010 2014	2011 2015	2012 2016
Product Code	A	a	A	a

D. MEASUREMENT CIRCUIT:

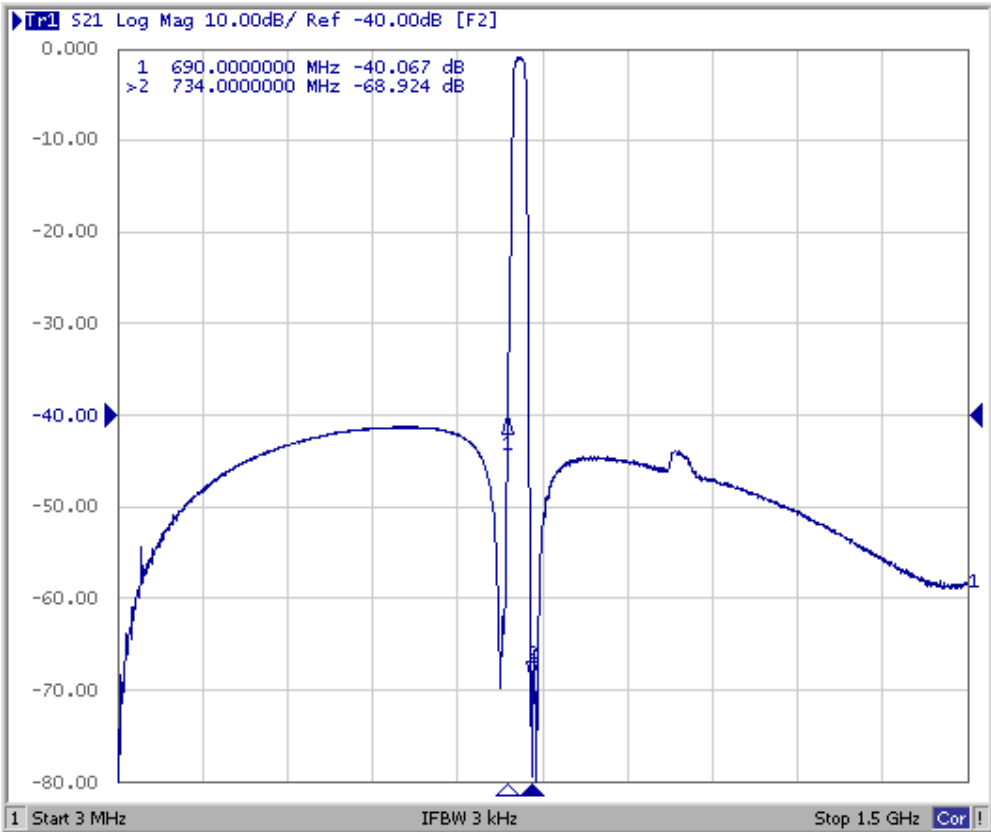
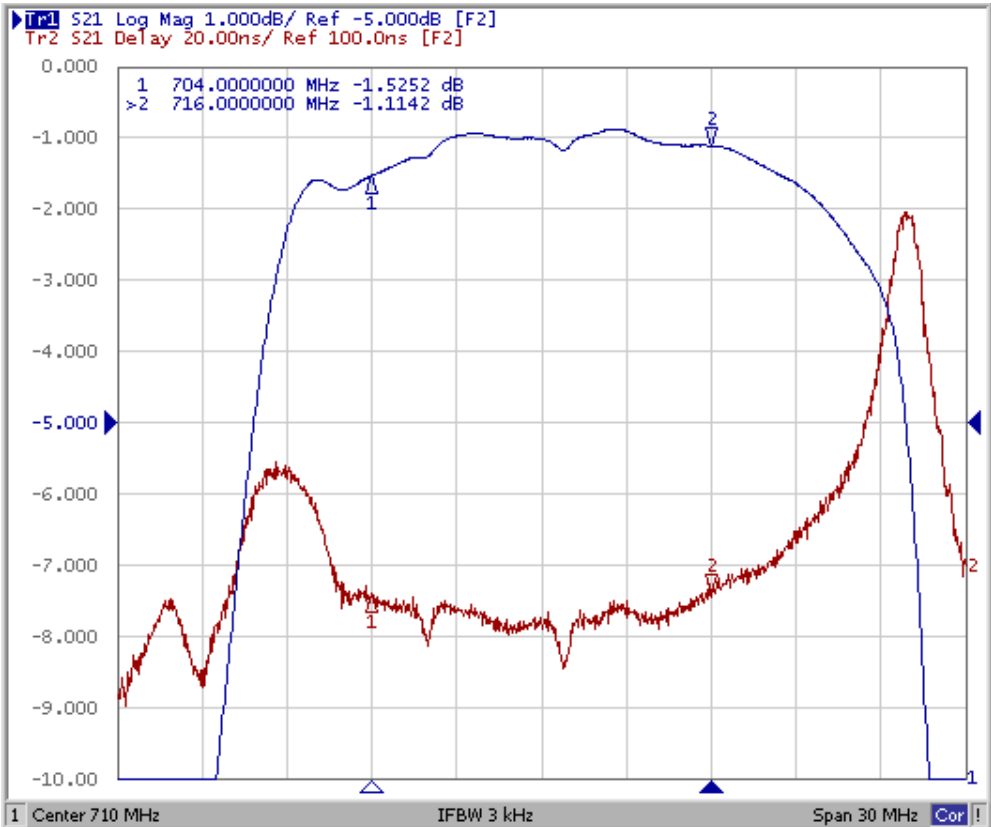
HP Network analyzer



E. PCB Footprint:

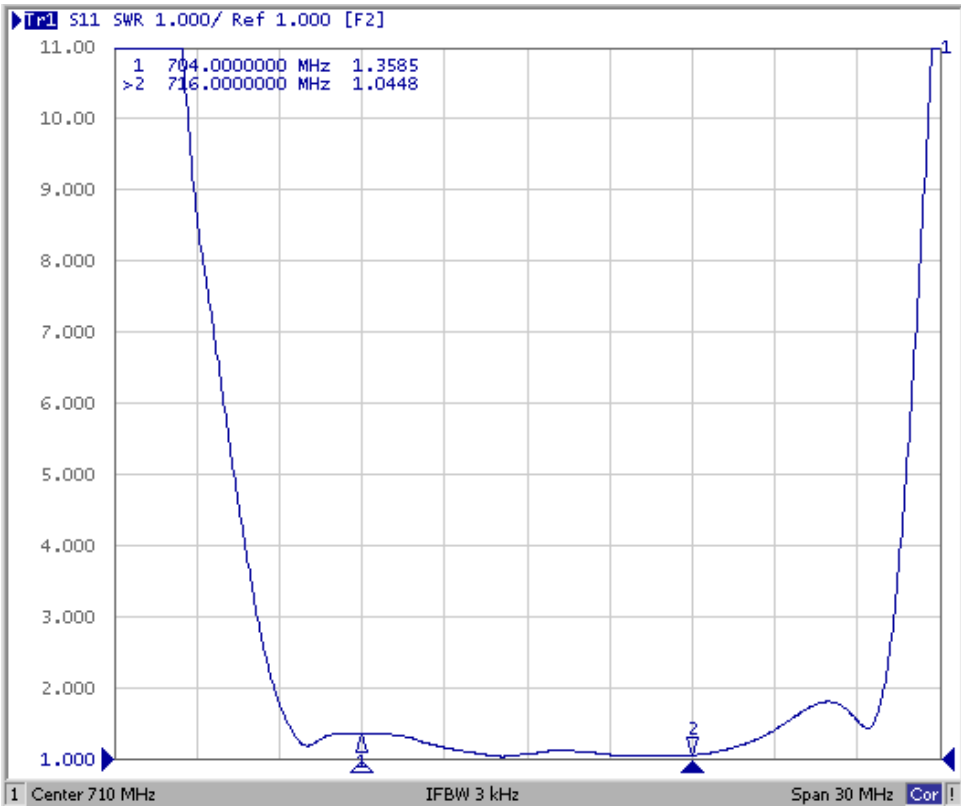


F. Frequency Characteristics :

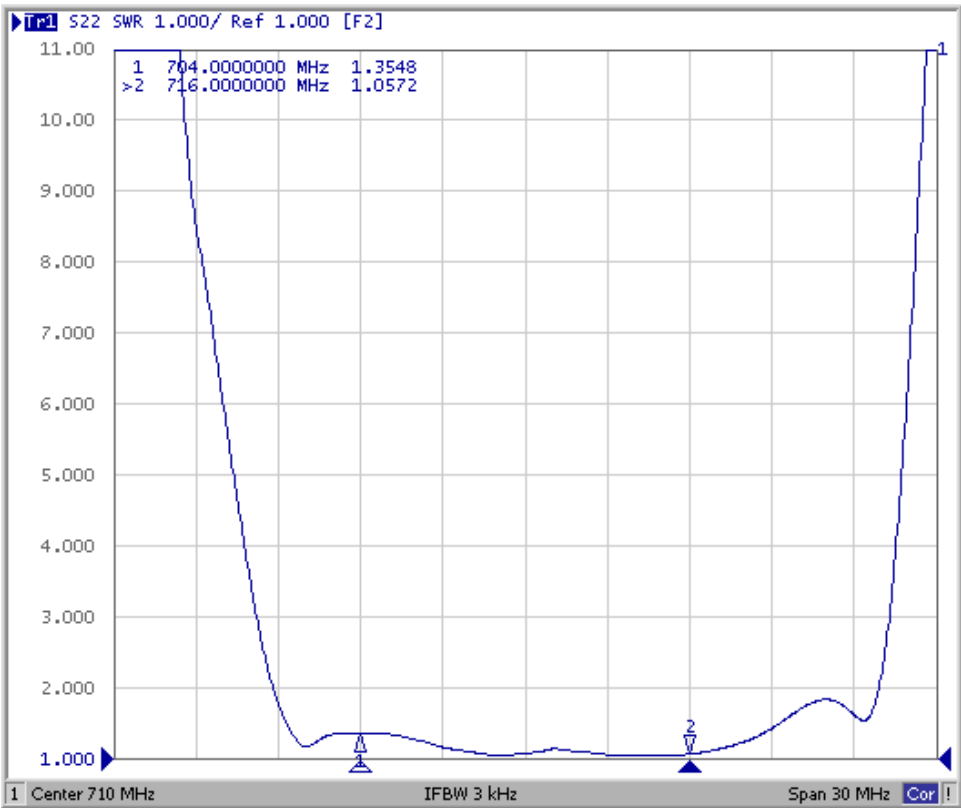


Reflection Functions :

S11



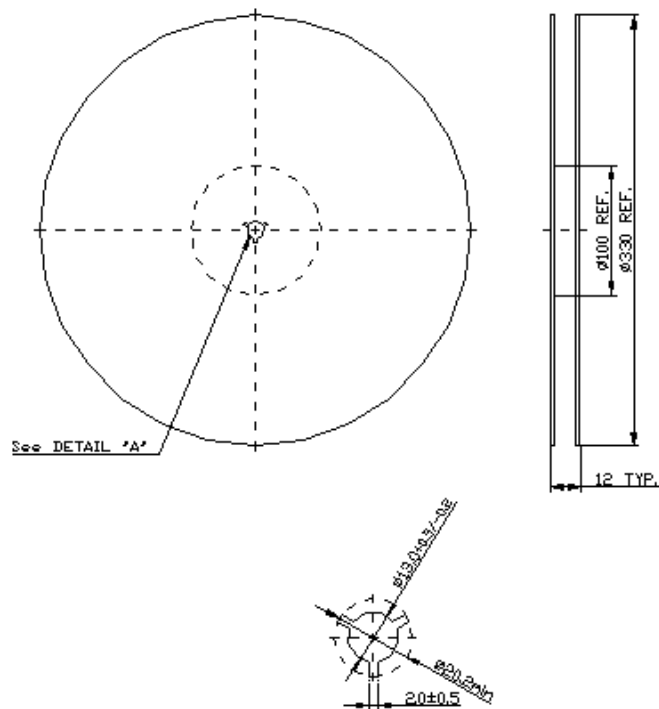
S22



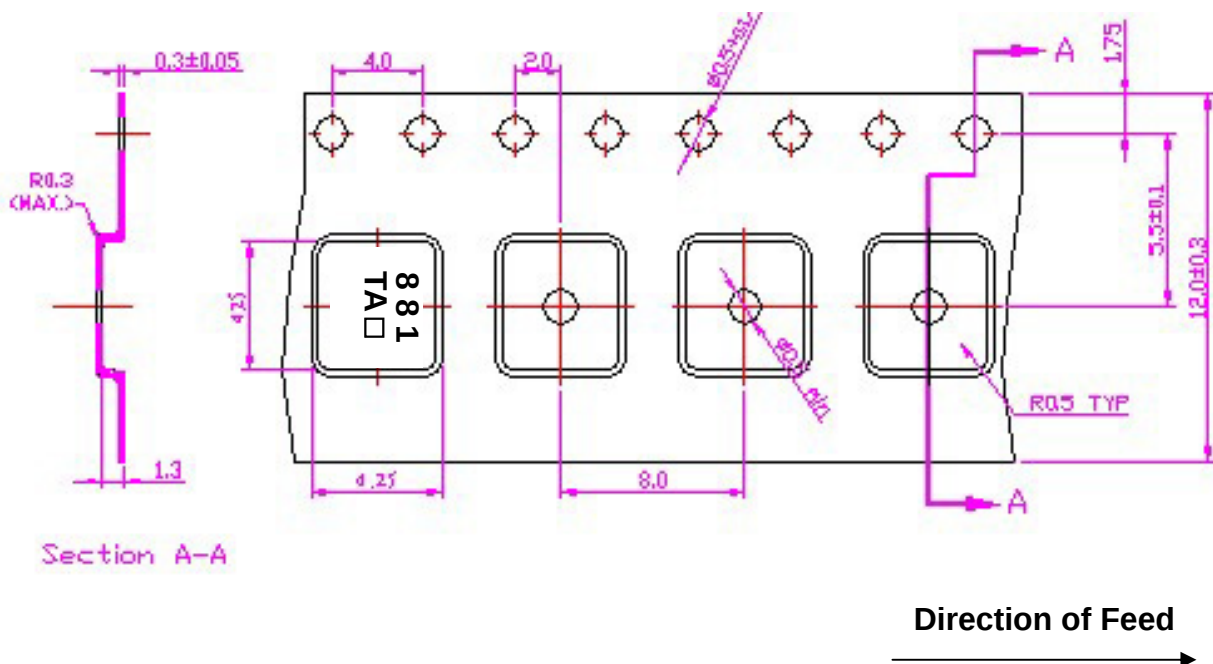
G. PACKING:

1. REEL DIMENSION

(Please refer to FR-75D10 for packing quantity)



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 245~260 peak (min. 10sec).
4. Time : 2 times.

