



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

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Product Specification Approval Sheet

Product Name: SAW Filter 611MHz

TST Parts No.: TA0794A

Customer Parts No.: _____

Customer signature required
Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: _____ Anne Chen 陳秀宜

Approved by: _____ Francis Chen [Signature]

Date: _____ 01, 05, 2011

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 611 MHz

MODEL NO.: TA0794A

REV.NO.:2

A. MAXIMUM RATING:

1. Input Power Level: 10 dB_m
2. DC voltage: 3 V
3. Operating Temperature: -20°C to +70°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device (ESD)

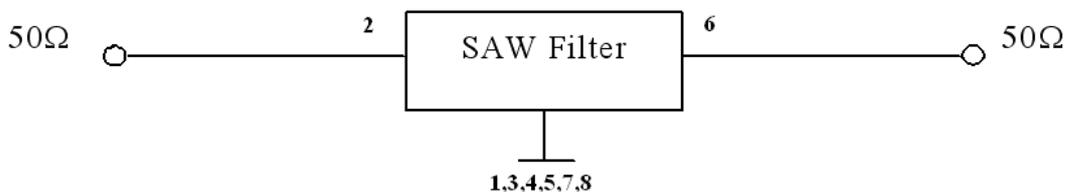
B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Type.	Max.
Center frequency F _c	MHz	-	611	-
Insertion Loss IL _{min} (reference level)	dB	-	2.85	4.5
3dB Bandwidth BW _{-3dB}	MHz	7	9.8	-
40dB Bandwidth BW _{-40dB}		-	20.9	24
Amplitude Ripple 609.5~ 612.5 MHz	dB	-	0.4	1.3
Rejection:(Reference level from 0dB)				
520 to 560 MHz	dB	38	50	-
660 to 700 MHz	dB	38	50	-
Source impedance Z _s	Ω	-	50	-
Load impedance Z _L	Ω	-	50	-

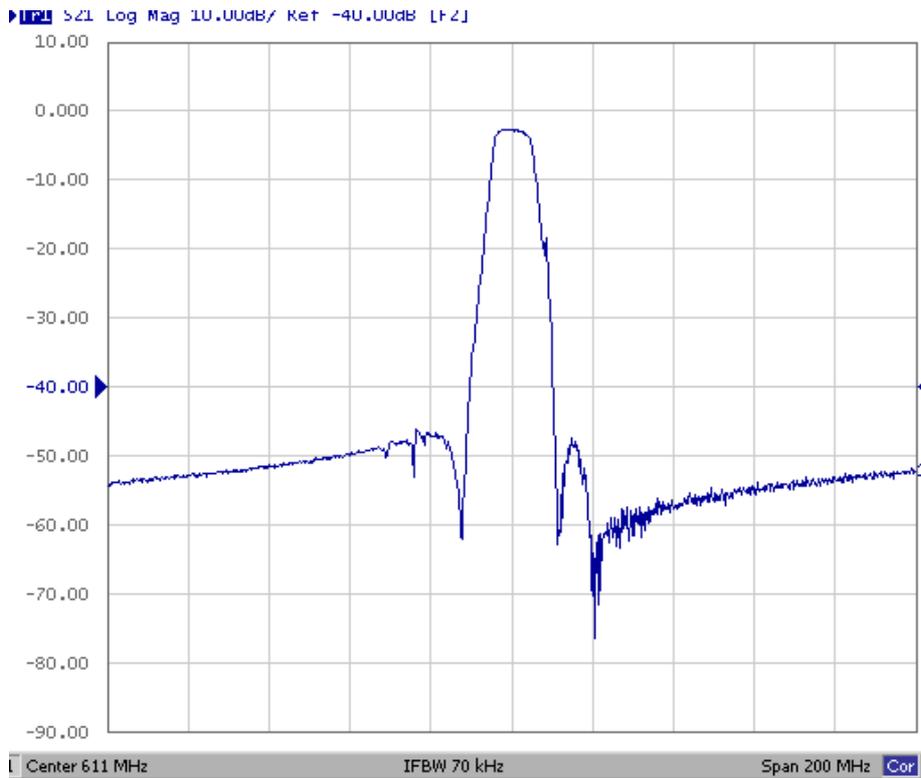
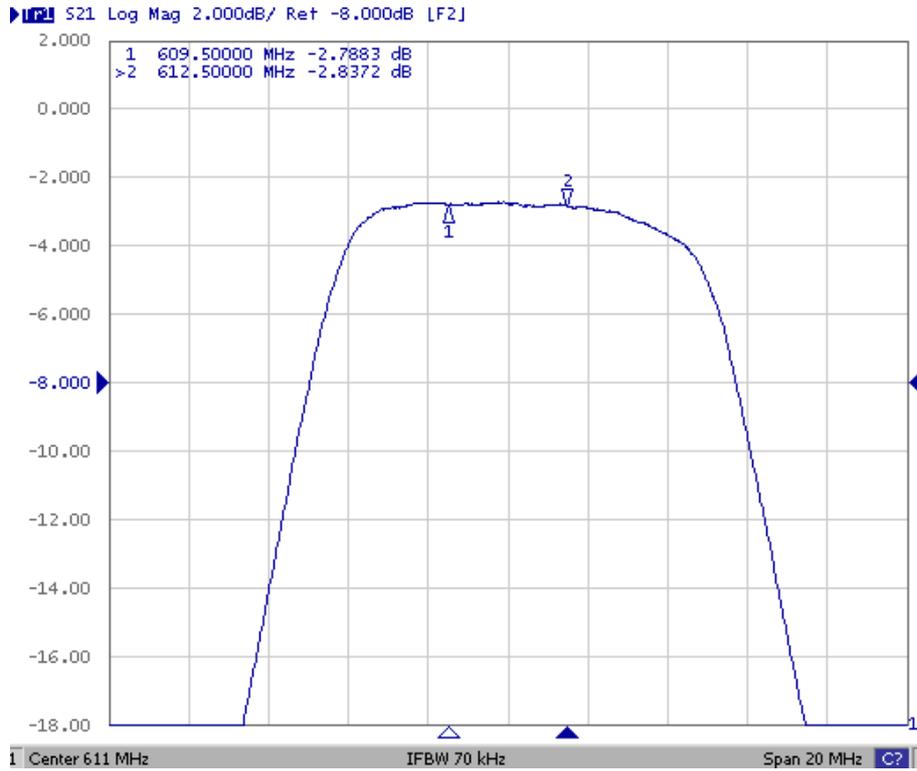
Note: IL_{min} is the minimum of the pass band attenuation. The center frequency F_c is the mean value of the upper and lower frequencies at the 3dB filter attenuation level relative to the IL_{min}.

MEASUREMENT CIRCUIT:

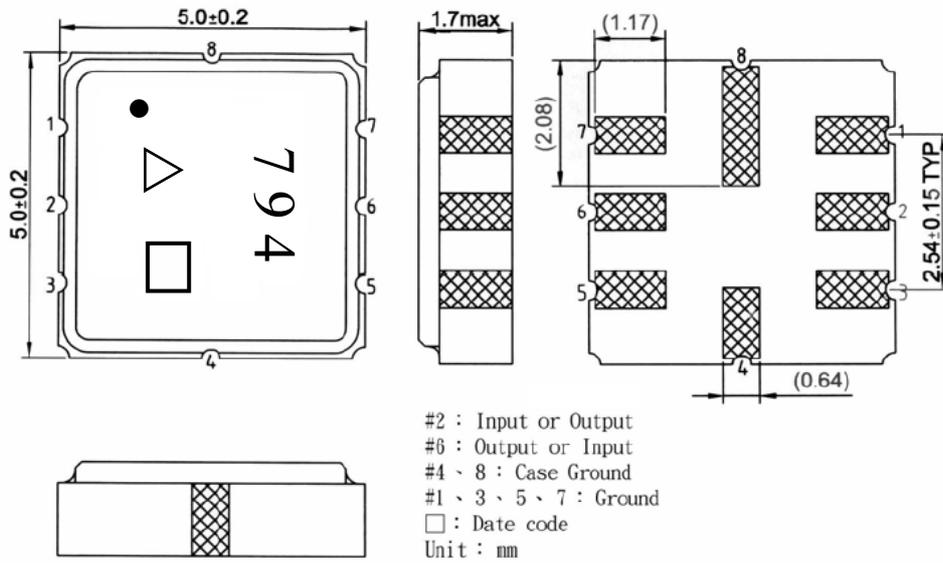
HP Network analyzer



C. Frequency Characteristics :



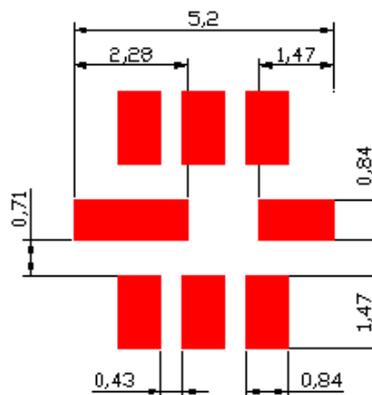
D.OUTLINE DRAWING:



△ Product Year Code

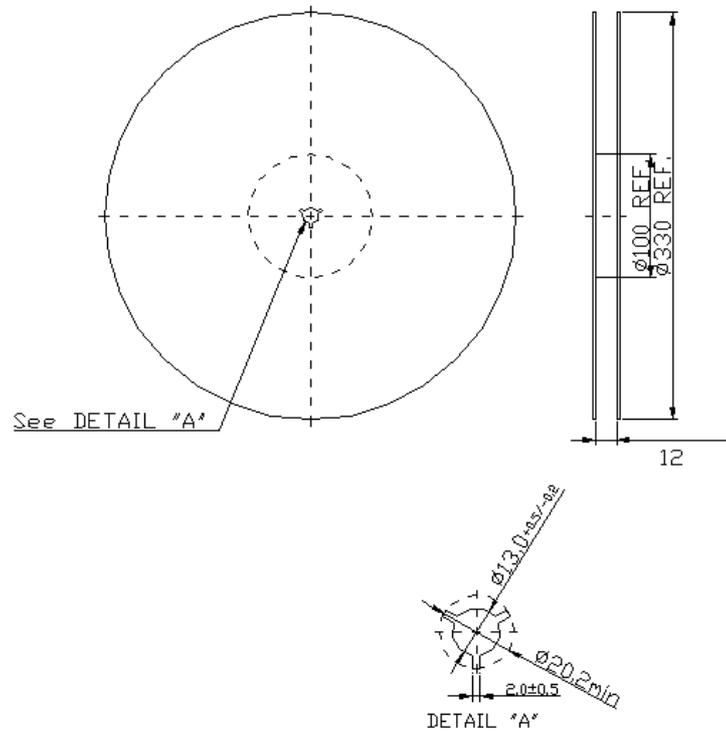
Year	2013 2009	2014 2010	2015 2011	2016 2012
Product Code	A	a	<u>A</u>	<u>a</u>

E.PCB FOOTPRINT:

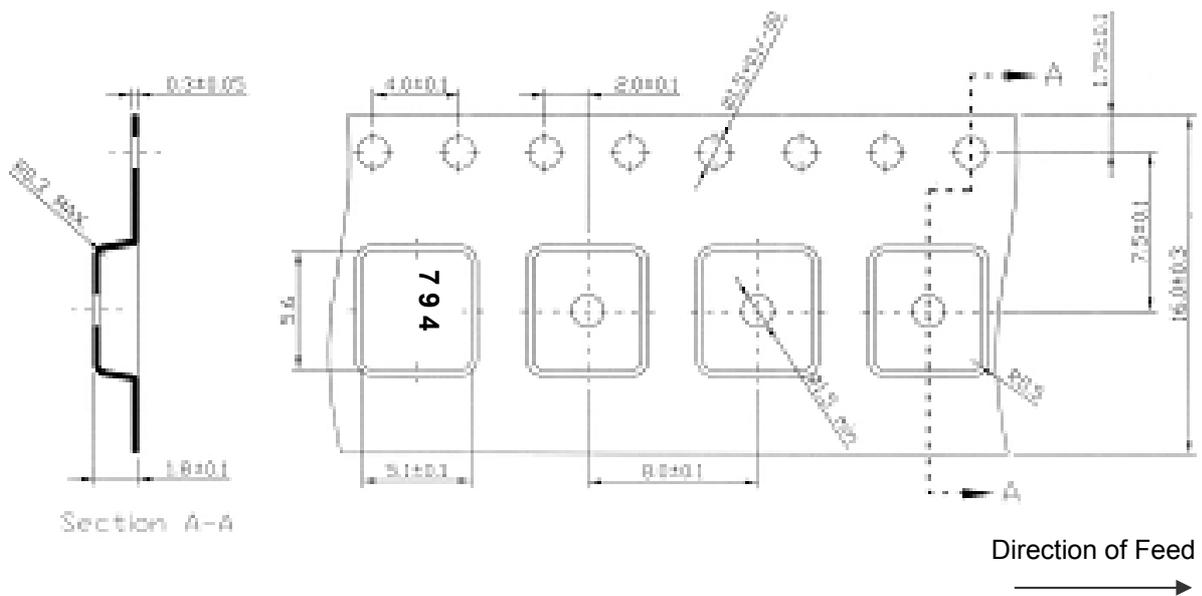


F. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



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

