



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: ttsales@mail.taisaw.com Web: www.taisaw.com

Approval Sheet For Product Specification

Issued Date:

Product Name: SAW Filter 800MHz SMD 3.0×3.0mm

TST Parts No.:TA0740A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Asin Lin

Approval by:_____ Francis Chen

Date:_____ 2007/09/24



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

SAW Filter 800 MHz

MODEL NO.: TA0740A

REV. NO.:2

A. MAXIMUM RATING:

1. Input Power Level: 5 dB_m
2. DC voltage: 5 V
3. Operating Temperature: -20°C to 70°C
4. Storage Temperature: -40°C to +85°C

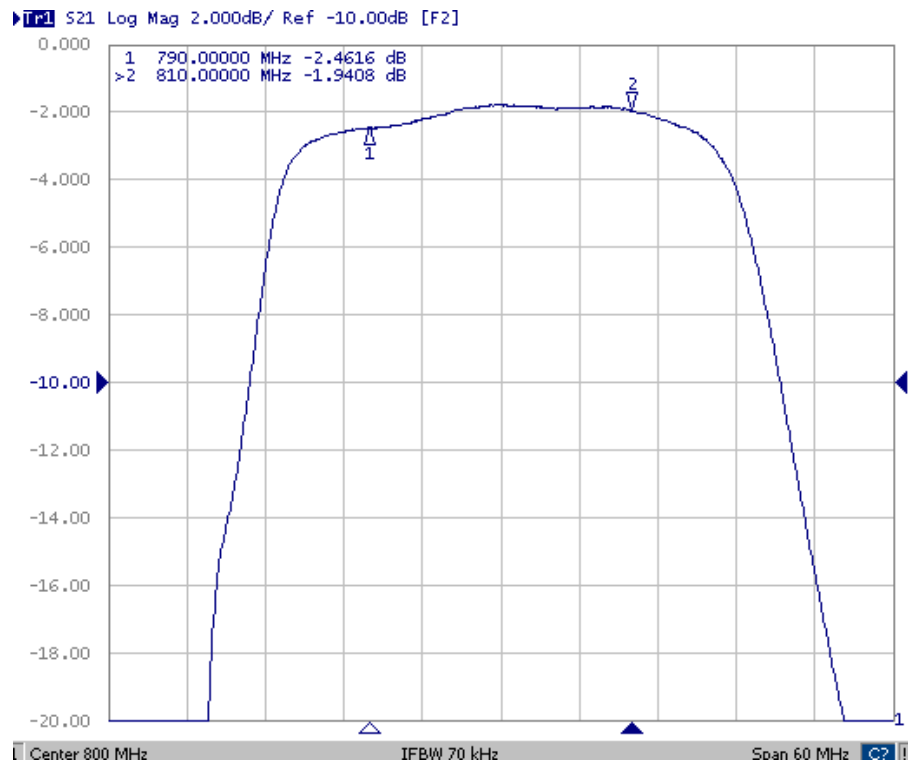
RoHS Compliant
Lead free
Lead-free soldering

B. CHARACTERISTICS:

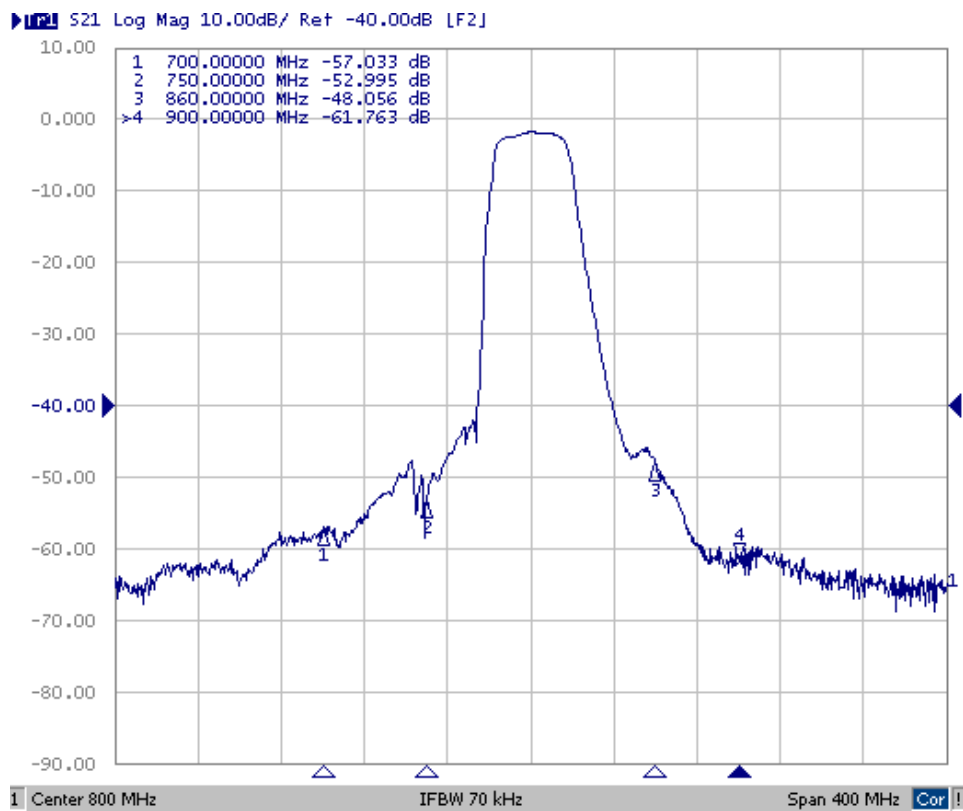
Item				Min.	Typ.	Max.
Center frequency	F _c	MHz		-	800	-
Insertion loss	790 ~ 810 MHz	IL	dB	-	2.4	3.8
Amplitude ripple	790 ~ 810 MHz		dB	-	0.8	2.0
Attenuation (Reference level from 0dB)						
600 ~ 700		MHz	dB	40	47	-
700 ~ 750		MHz	dB	30	45	-
860 ~ 900		MHz	dB	30	42	-
900 ~ 1000		MHz	dB	38	47	-
Source impedance	Z _S		Ω	-	50	-
Load impedance	Z _L		Ω	-	50	-

Note1. No matching network required for operation at 50Ω

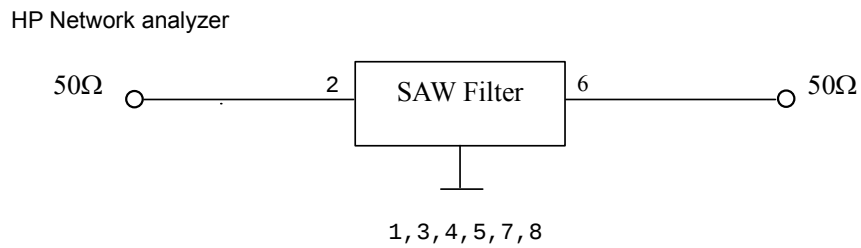
C. Transfer Function :



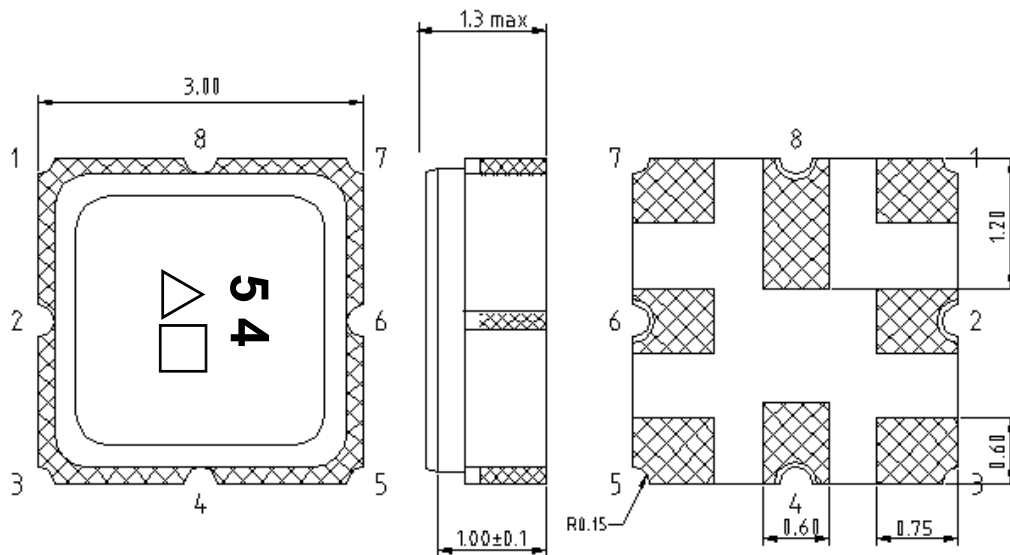
Wideband



D. MEASUREMENT CIRCUIT:

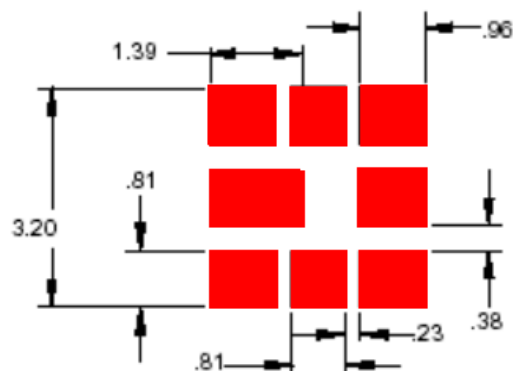


E. OUTLINE DRAWING:



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

F. PCB FOOTPRINT:



1. REEL DIMENSION

Technical drawing of a circular part. The main view shows a large circle with a central hole. A dashed circle indicates a reference diameter of $\phi 100$. A dashed circle indicates a reference diameter of $\phi 330$. A dimension line indicates a distance of 12.0 from the center to the edge. A detail callout 'See DETAIL 'A'' points to the central hole. The detail view shows a cross-section of the hole with a diameter of $\phi 30.2$ and a depth of 2.0. The detail view also shows a diameter of $\phi 13.0$ for the hole's opening.

Technical drawing of a mechanical part, showing top, side, and cross-sectional views with dimensions and section labels.

Top View:

- Overall width: 12.0
- Overall length: 1.4
- Top edge radius: R0.3 (MAX.)
- Bottom edge radius: R0.5 (TYP.)
- Top edge thickness: 0.3
- Bottom edge thickness: 1.4
- Internal features:
 - Four circular holes with diameter $\phi 1.5$.
 - Four rectangular slots with width 2.0 and depth 3.35.
 - Four rectangular slots with width 4.0 and depth 3.35.
 - Four rectangular slots with width 8.0 and depth 3.35.
 - Four rectangular slots with width 1.75 and depth 3.35.

Section A-A:

- Shows the cross-section of the part.
- Dimensions: 0.3 (top edge thickness), 1.4 (bottom edge thickness).
- Section label: SECTION A-A

Section B-B:

- Shows the cross-section of the part.
- Dimensions: 1.75 (width of the slot), 3.35 (depth of the slot).
- Section label: SECTION B-B

Direction of Feed:

- Indicated by arrows labeled 'A' pointing towards the part.

H. REFLOW PROFILE:

