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

Approval Sheet For Product Specification

Issued Date: February, 14, 2008

Product Name: SAW Filter 1795MHz SMD 3.0X3.0 mm

TST Parts No.: :TA0798A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____Paul Ni_____

Approval by:_____Francis chen_____

Date:_____02, 14, 2008_____

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SAW Filter 1795 MHz
MODEL NO.: TA0798A REV. NO：2.0

A. MAXIMUM RATING:

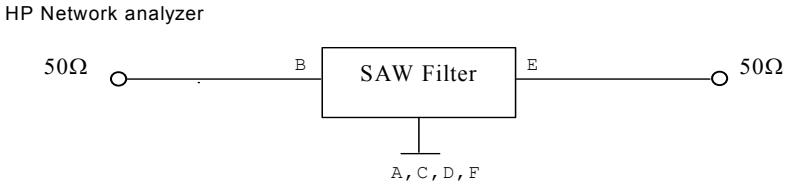
RoHS Compliant
Lead free
Lead-free soldering

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

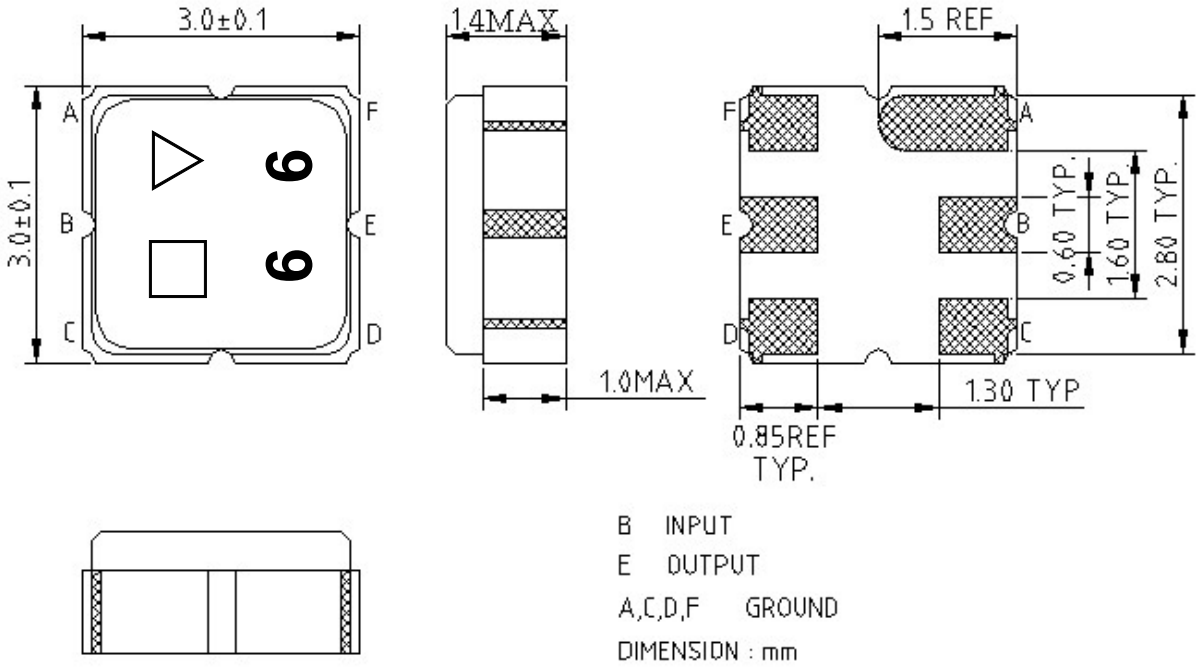
B. ELECTRICAL CHARACTERISTICS:

Item		Unit	Min.	Typ.	Max.
Center frequency	**Fc**	MHz	-	1795	-
Insertion loss within 1787.5 ~1802.5 MHz	**IL**	dB	-	1.5	3.5
Amplitude ripple (p-p) within 1787.5 ~ 1802.5 MHz		dB	-	0.2	2.0
Group Delay (1787.5 ~ 1802.5 MHz)		ns	-	15.0	40.0
Return Loss (1787.5 ~ 1802.5 MHz)		dB	10	15	-
Attenuation (Reference level from 0 dB)					
800 ~ 1730 MHz		dB	30	37	-
1730 ~ 1740 MHz		dB	20	37	-
1740 ~ 1755 MHz		dB	6	17	-
1835 ~ 1845 MHz		dB	6	19	-
1845 ~ 2800 MHz		dB	30	41	-
Source impedance	Z_S	Ω	-	50	-
Load impedance	Z_L	Ω	-	50	-

C. MEASUREMENT CIRCUIT:



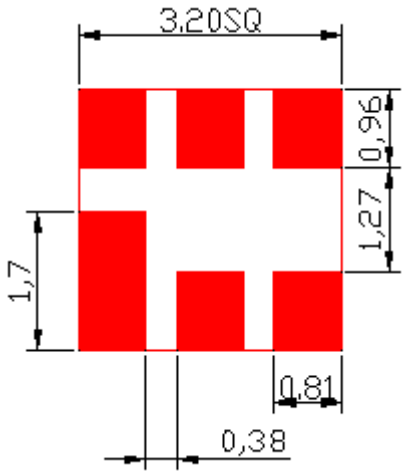
D.OUTLINE DRAWING:



△ : Year Code(2007➔7,…2009➔9)

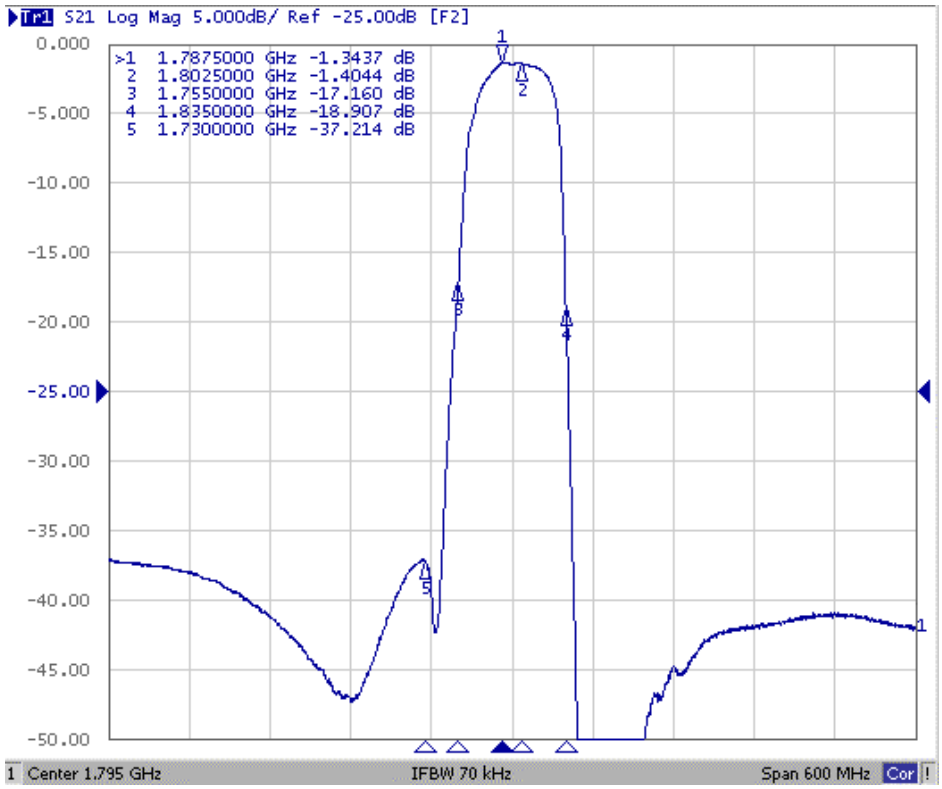
□ : Date Code(Follow the table from planner each year)

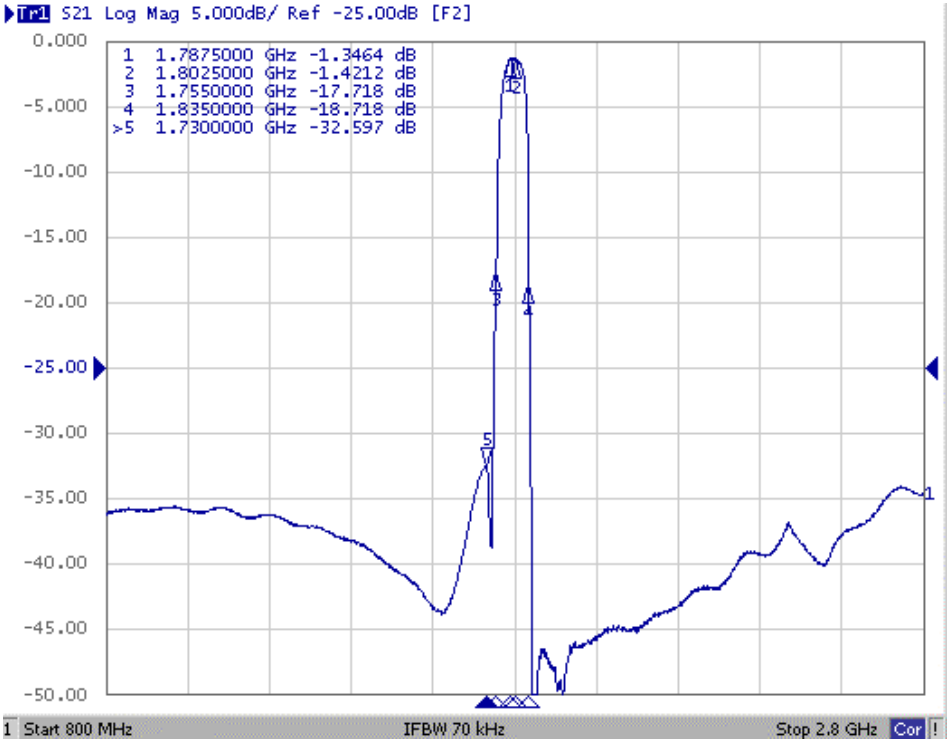
E. PCB Footprint：



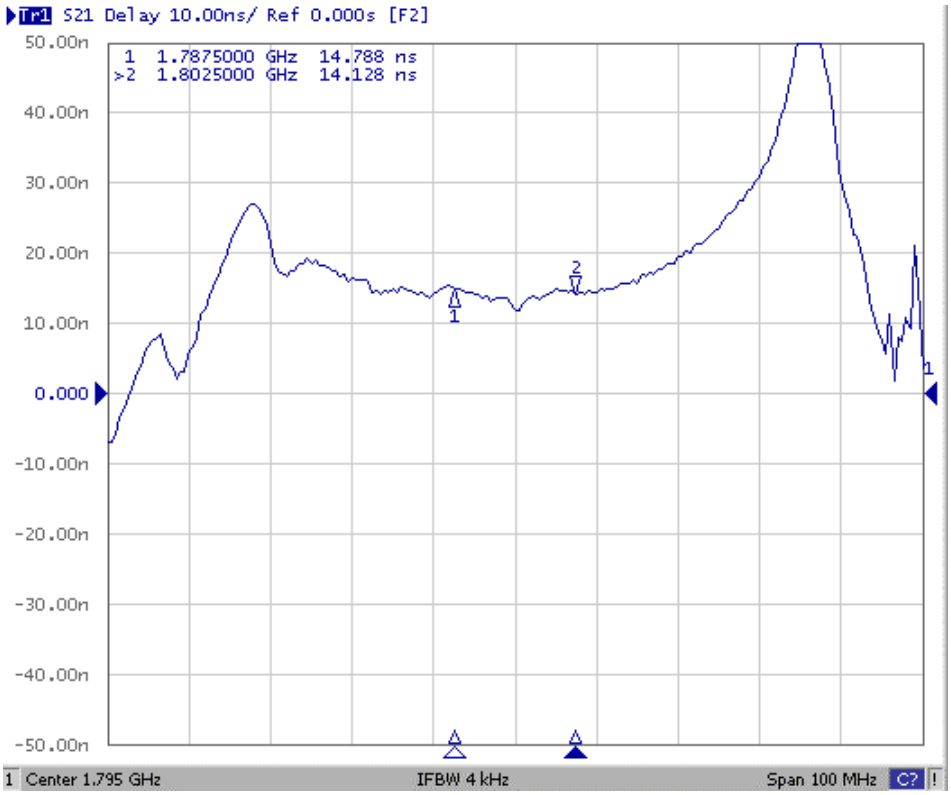
F. Frequency Characteristics :

Transfer function





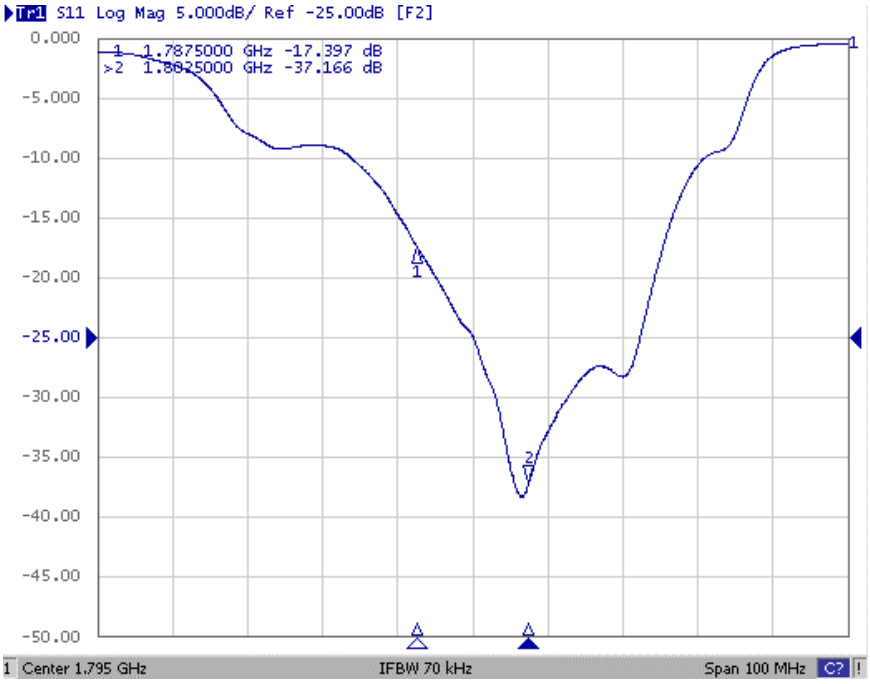
Group Delay


Tr1 S21 Delay 10.00ns/ Ref 0.000s [F2]
1 1.7875000 GHz 14.788 ns
>2 1.8025000 GHz 14.128 ns
50.00n
40.00n
30.00n
20.00n
10.00n
0.000
-10.00n
-20.00n
-30.00n
-40.00n
-50.00n
1 Center 1.795 GHz
IFBW 4 kHz
Span 100 MHz
C?

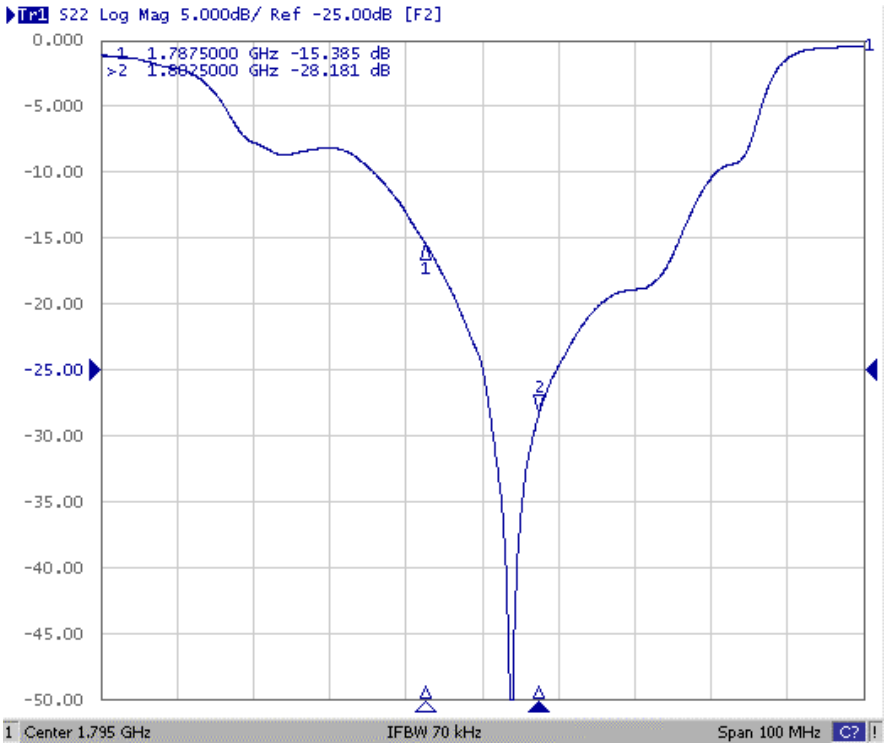
Reflection Functions：

Return Loss

S11

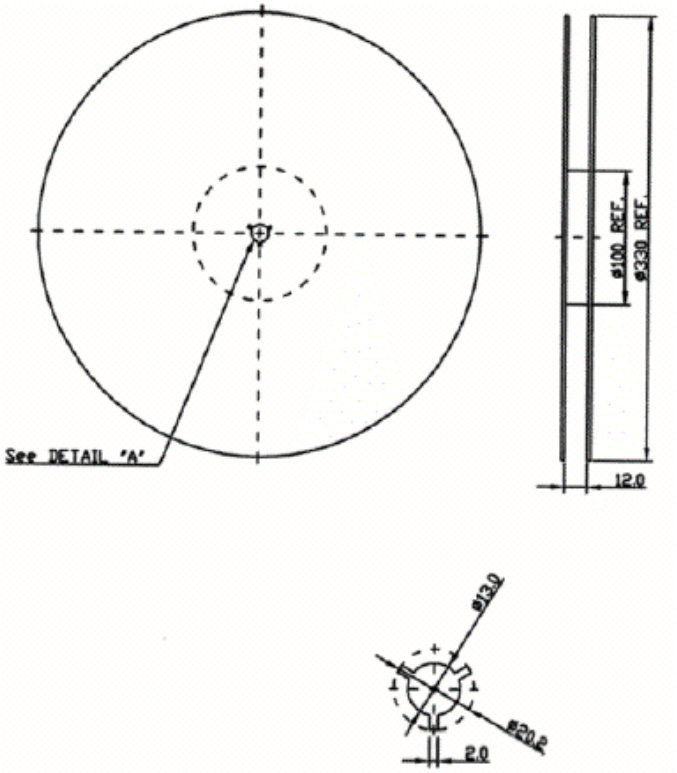


S22

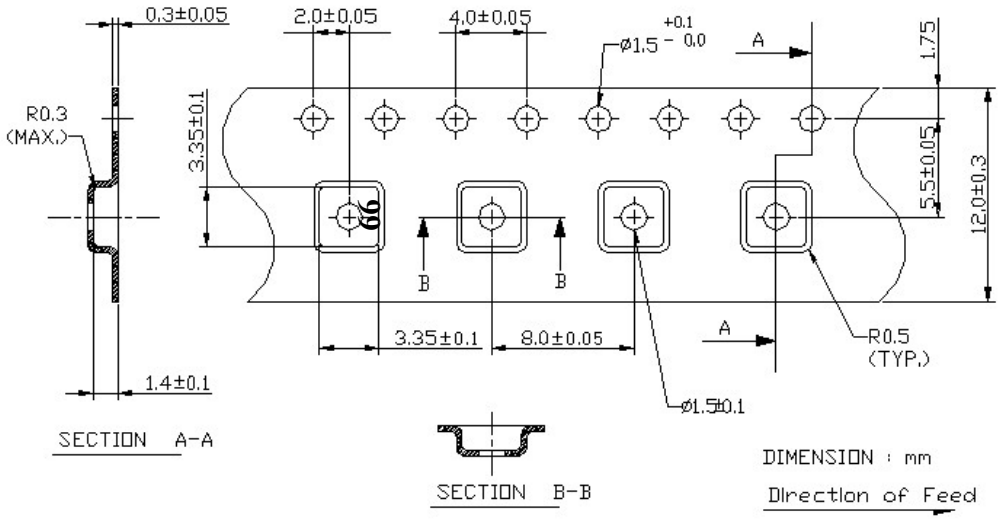


G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE: