



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
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Approval Sheet For Product Specification

Issued Date: March, 7 , 2008

Product Name: SAW Filter 757.5 MHz SMD 5X5 mm

TST Parts No.:TA0822A

Customer Parts No.:_____

Company:_____
Division:_____
Approved by :_____
Date:_____

Checked by:_____ Bob Chau

Approval by:_____ Francis Chen

Date:_____ 3, 7, 2008



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SAW Filter 757.5 MHz

MODEL NO.: TA0822A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC voltage: 5 V
3. Operating Temperature: -30°C to +70°C
4. Storage Temperature: -40°C to +85°C

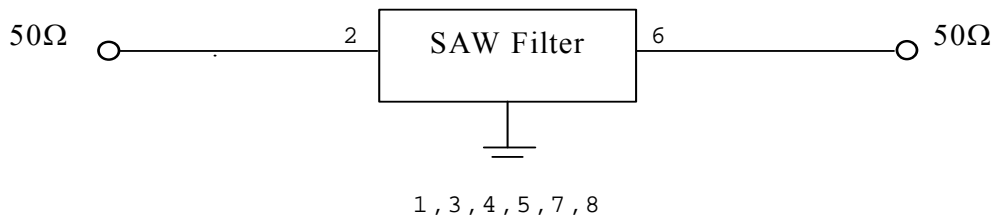
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

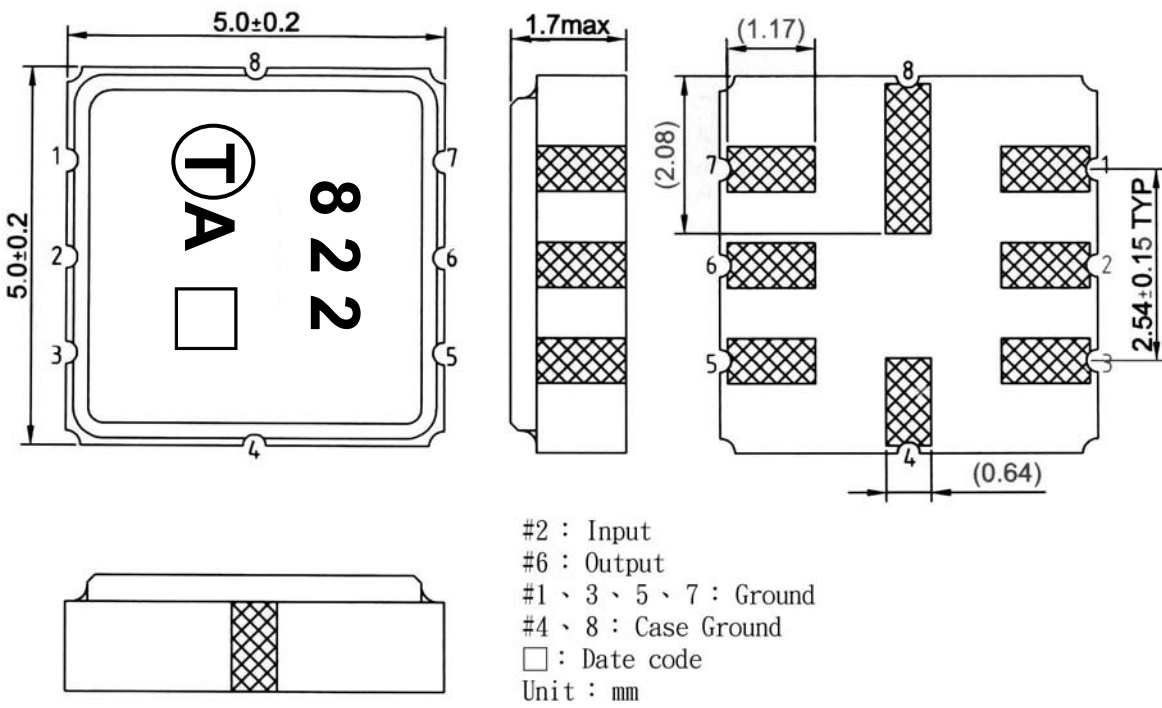
Item	Unit	Min.	Typ.	Max.
Center frequency F_o	MHz	-	757.5	-
Insertion loss (757~758MHz) IL	dB	-	2.2	5
Amplitude ripple (757~758MHz)	dB	-	0.2	1.5
Return loss (757~758MHz)	dB	10	18	-
Group delay variation (757~758MHz)	ns	-	7	50
Attenuation (Reference level from 0 dB)				
DC~707 MHz	dB	40	43.5	-
707~730 MHz	dB	40	42	-
764~776 MHz	dB	15	29	-
787~788 MHz	dB	30	40	-
798~2000 MHz	dB	40	48	-
Source impedance Z_s	Ω	-	50	-
Load impedance Z_L	Ω	-	50	-
Temperature Coefficient	ppm/°C	-	-36	-

C. MEASUREMENT CIRCUIT:

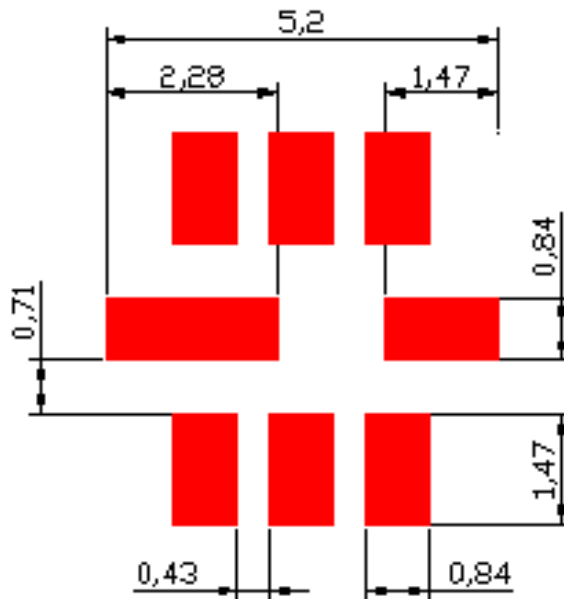
HP Network analyzer



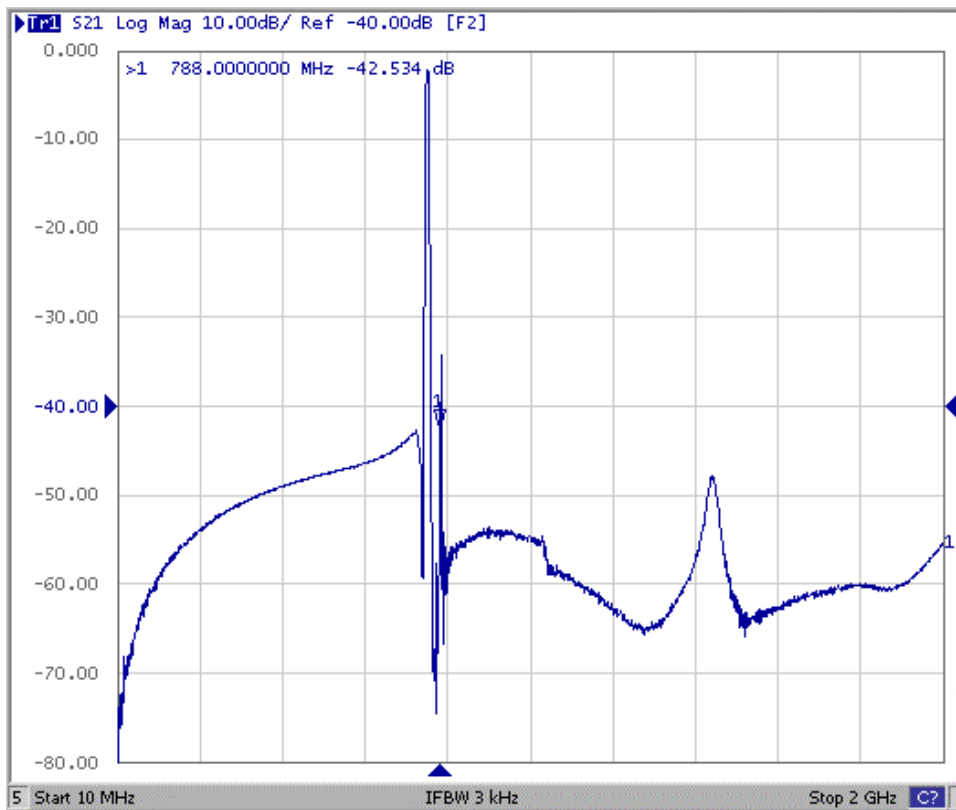
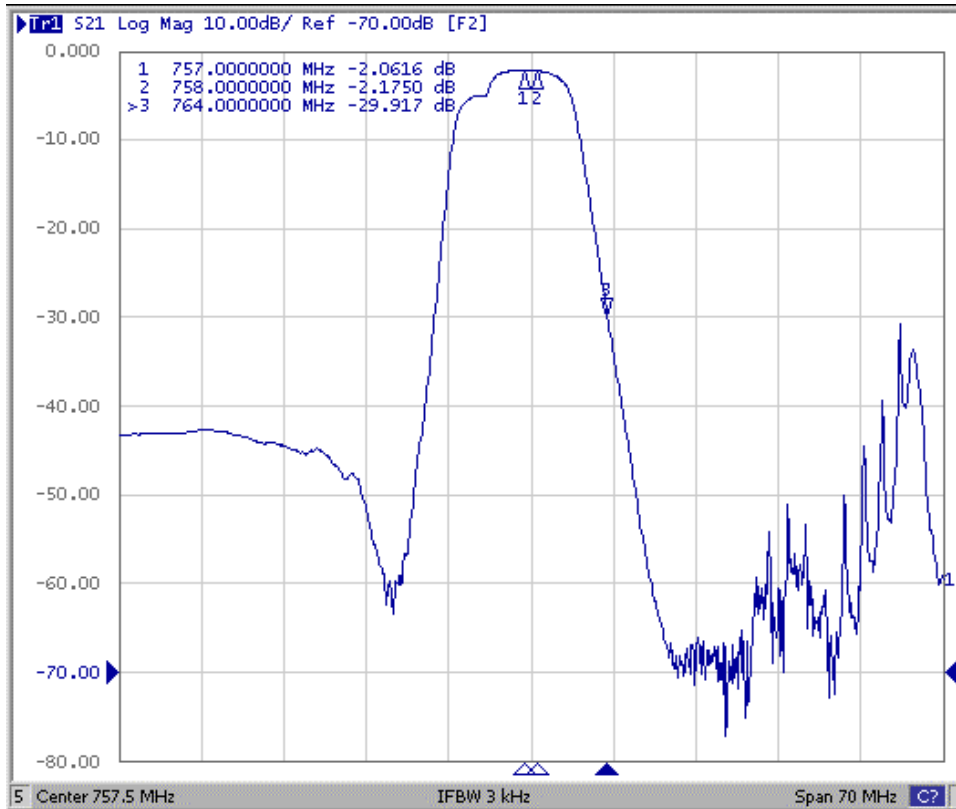
D. OUTLINE DRAWING:



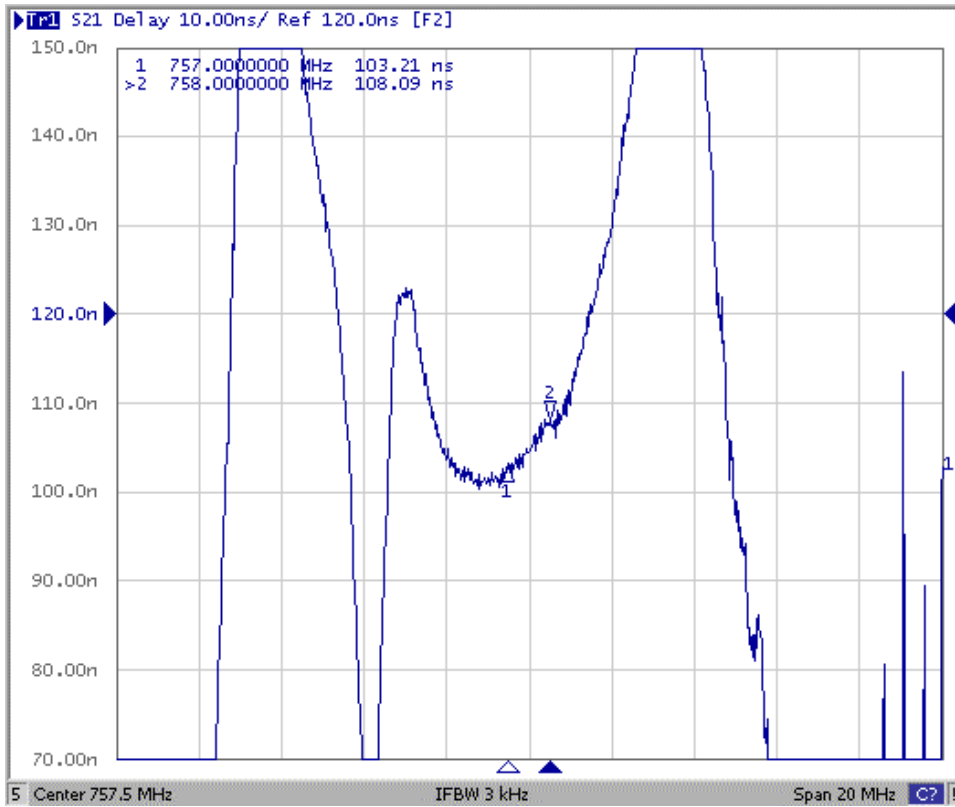
E. PCB Footprint:



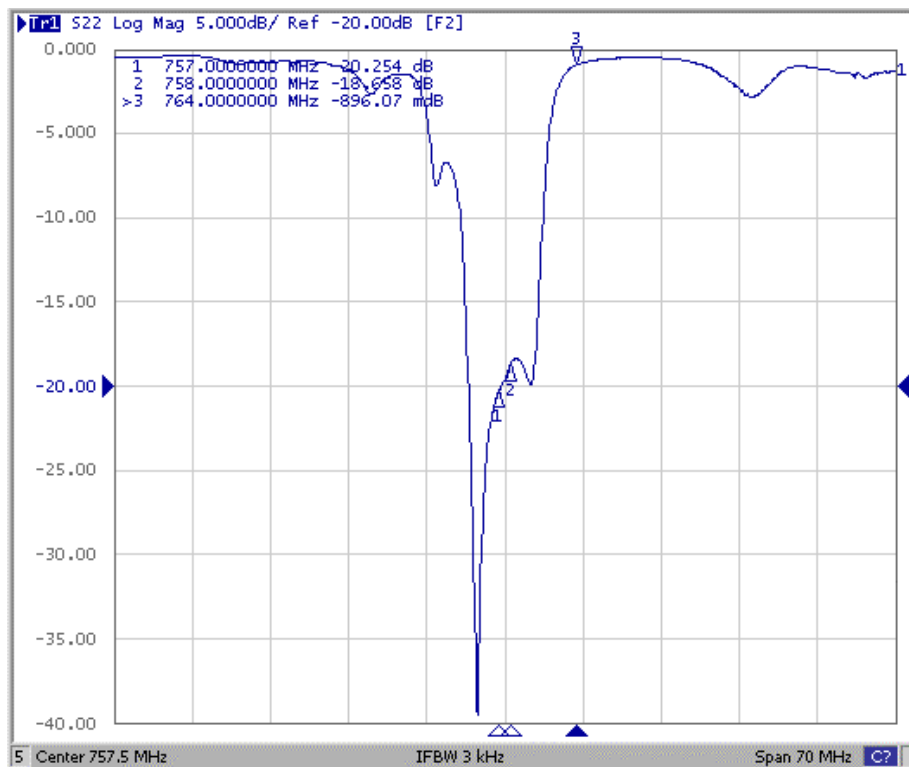
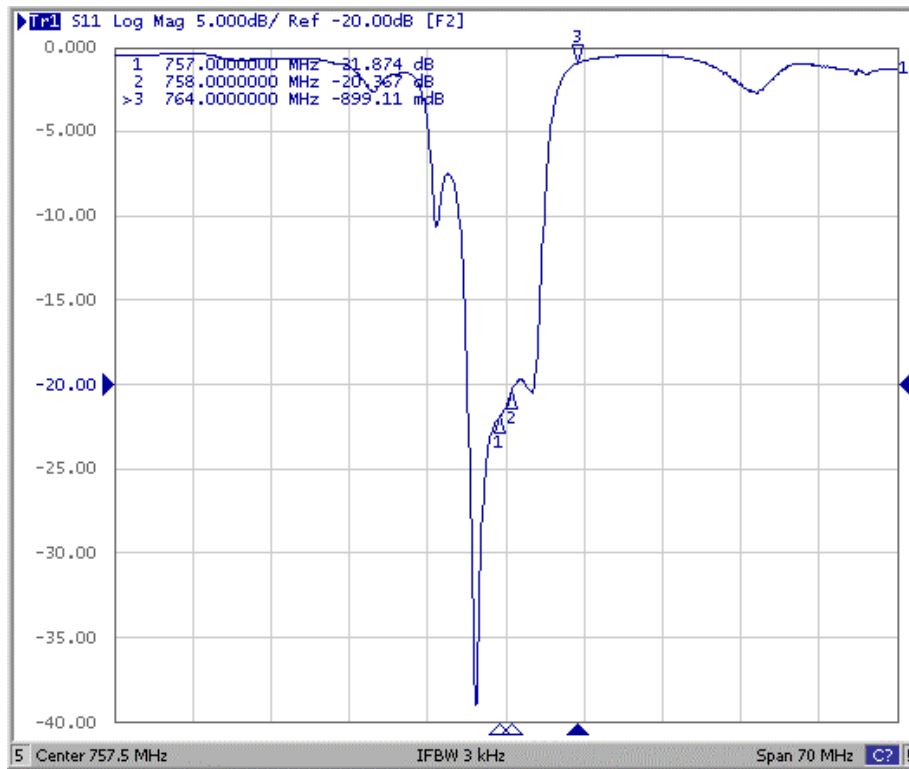
F. Frequency Characteristics :
Transfer function



Group Delay



Reflection Functions :



G.RECOMMENDED REFLOW PROFILE:

