



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.

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Approval Sheet For Product Specification

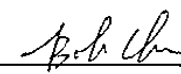
Issued Date: Jun, 26, 2008

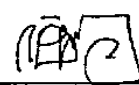
Product Name: SAW Filter 1237.5 MHz SMD 3.0X3.0 mm

TST Parts No.: TA0871A

Customer Parts No.: _____

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

Checked by: _____ Bob Chau 

Approval by: _____ Francis Chen  06/26/2008

Date: _____ 6, 26, 2008



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SAW Filter 1237.5 MHz

MODEL NO.:TA0871A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -30°C to +80°C
4. Storage Temperature: -40°C to +85°C

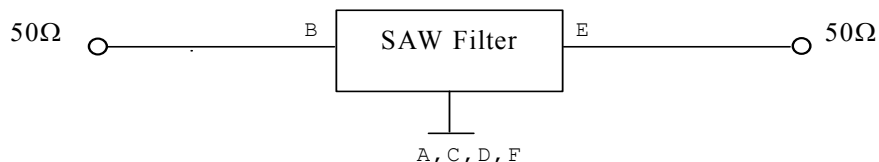
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

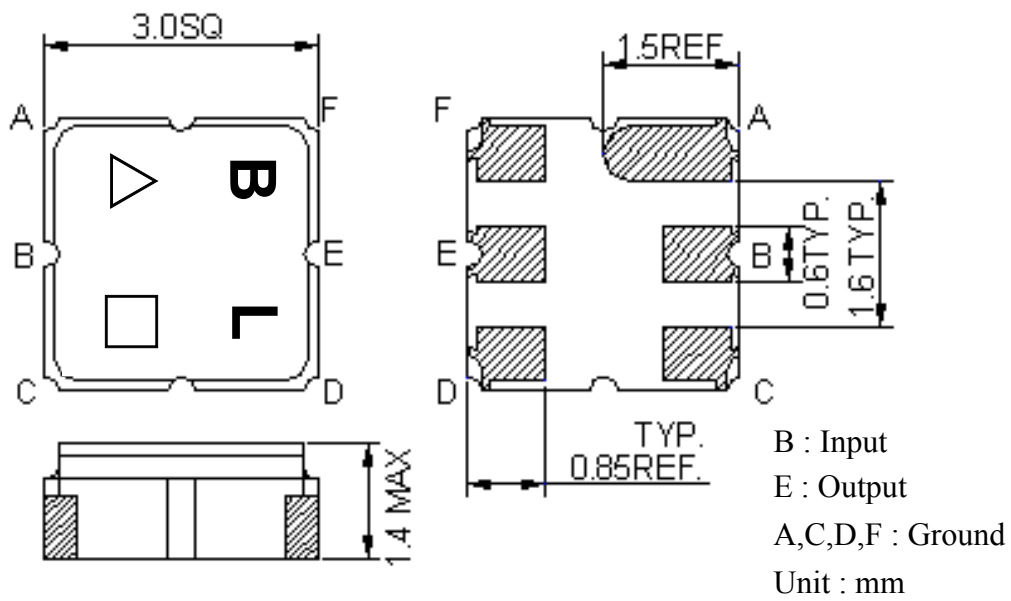
Item	Unit	Min.	Typ.	Max.	Note
Center Frequency Fc	MHz	-	1237.5	-	-
Insertion loss (1225.5~1249.5MHz) IL	dB	-	2.8	4	-
Amplitude Ripple (1225.5 ~ 1249.5 MHz)	dB	-	0.8	1.7	-
Return Loss (1225.5~1249.5 MHz)	dB	9	11	-	-
Group delay ripple (1225.5~1249.5MHz)	ns	-	9	20	-
Attenuation (Reference level from 0 dB)					
100 ~ 1150 MHz	dB	40	52	-	-
1350 ~ 2500 MHz	dB	40	45	-	-

C. MEASUREMENT CIRCUIT:

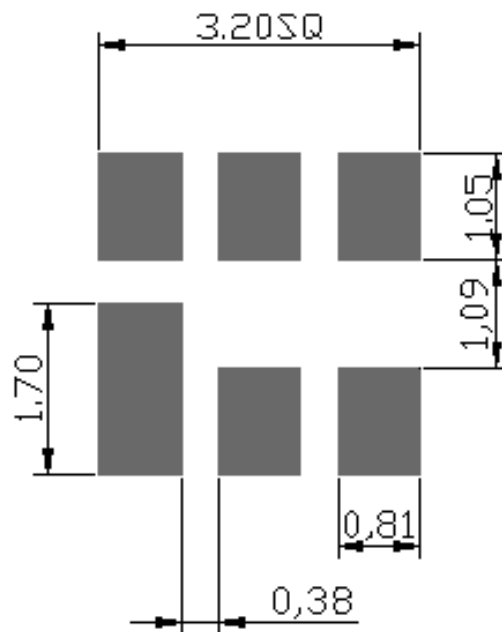
HP Network analyzer



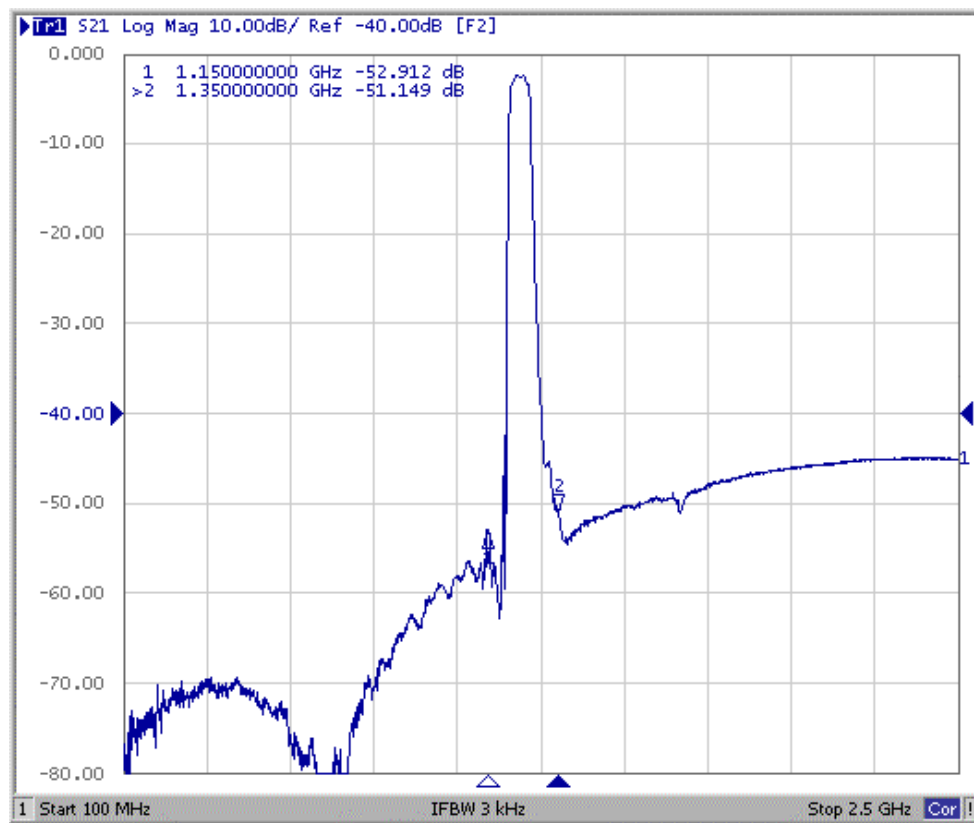
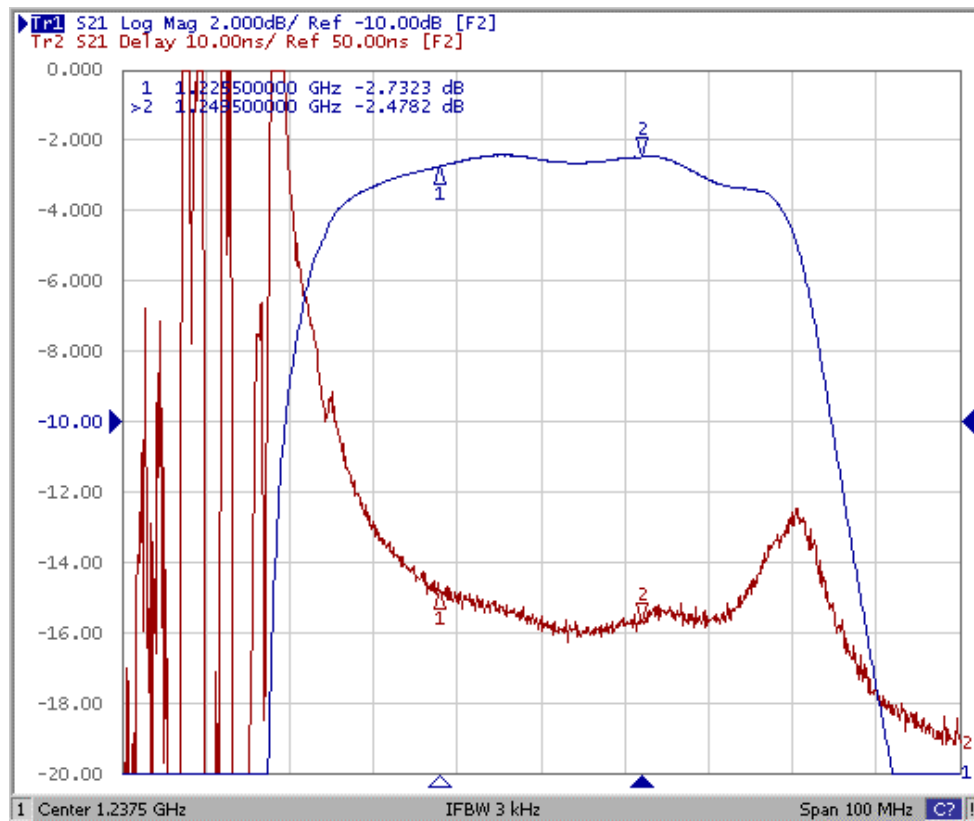
D.OUTLINE DRAWING:



E. PCB Footprint:

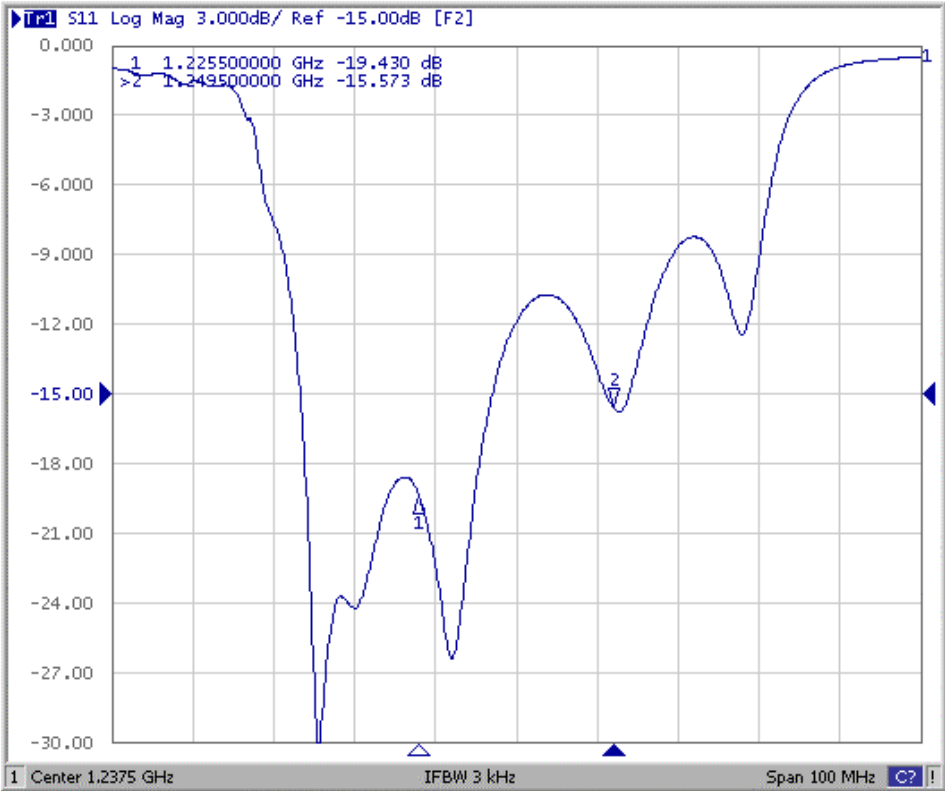


F. Frequency Characteristics :

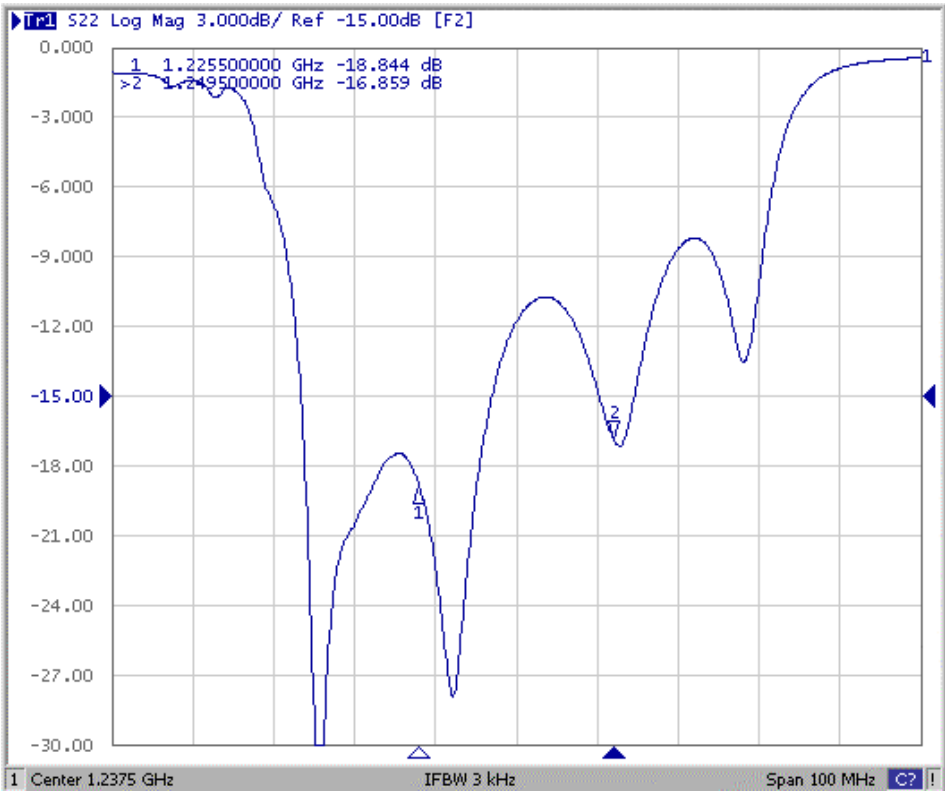


Reflection Functions :

S11



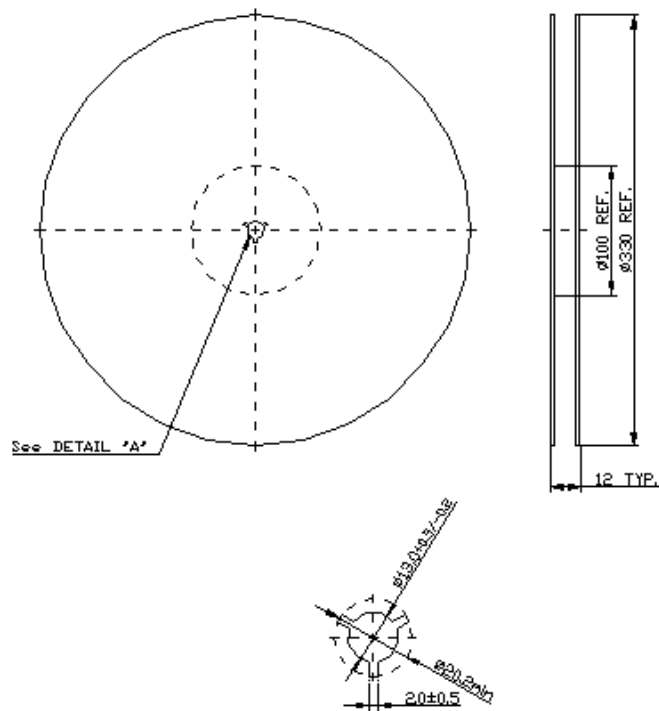
S22



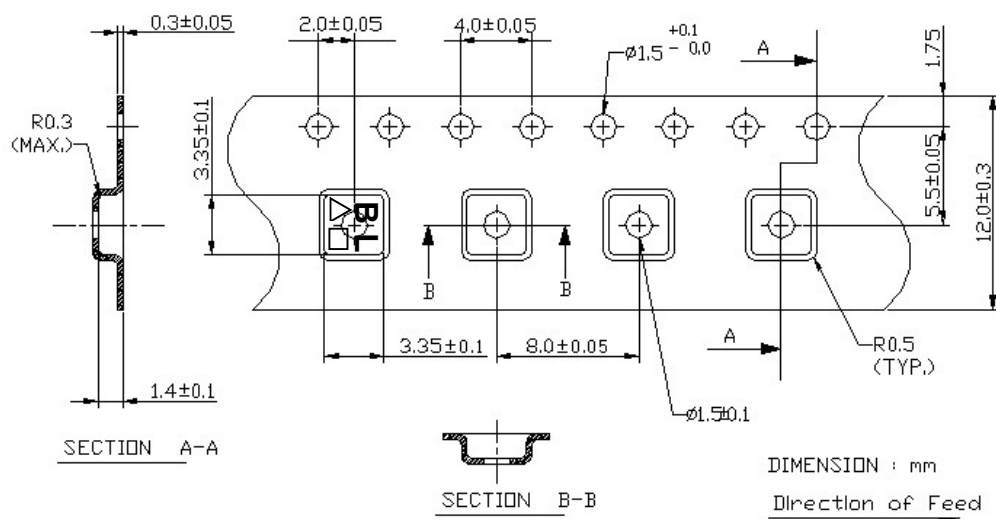
G. PACKING:

1. REEL DIMENSION

(Reel Count : 7''=1000 ; 13''=3000)



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

