



TAI-SAW TECHNOLOGY CO., LTD.

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

Product Description: SAW Filter 924MHz SMD 3.8X3.8 mm (BW₃=2MHz)

TST Part No.: TA1247A

Customer Part No.: _____

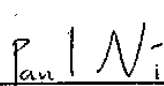
Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: Paul Ni 

Approved by: Francis Chen 

Date: 12/03/2010

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 924 MHz

MODEL NO.: TA1247A

REV. NO : 1.0

A. MAXIMUM RATING:

1. Input Power Level: 10 dB_m
2. DC voltage: 12 V
3. Operating Temperature: : -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

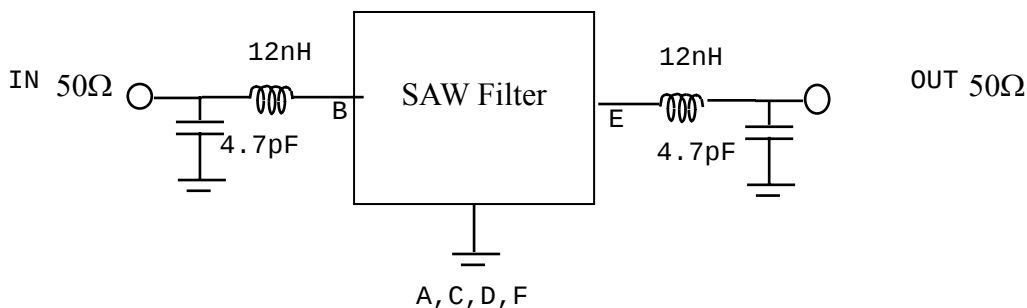
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

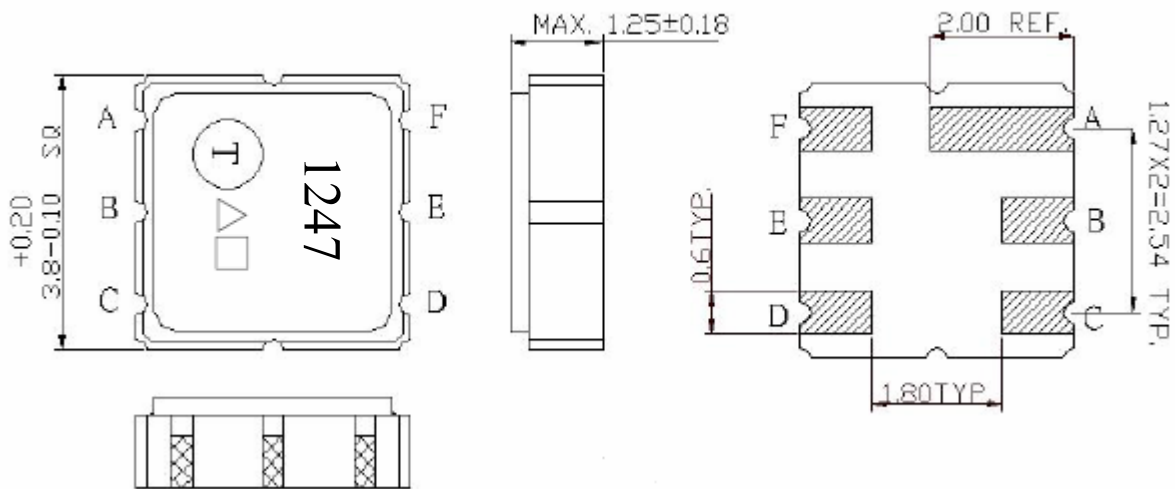
Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	924	-
Insertion loss IL(min)	dB	-	3.7	5.5
Pass bandwidth(relative to IL) BW ₃	KHz		2000	-
Attenuation (Reference level from 0 dB)				
At Fc-21.4MHz	dB	43	48	-
At Fc-10.7MHz	dB	27	31	-
Impedance at Fc, Input Z _{in} = R _{in} //C _{in} Z _S	Ω	137.4Ω//3.3pF		
Impedance at Fc, Output Z _{out} = R _{out} //C _{out} Z _L	Ω	137.4Ω//3.3pF		

C. MEASUREMENT CIRCUIT:

HP Network analyzer



D.OUTLINE DRAWING:



#E : Input or Output

#B : Output or Input

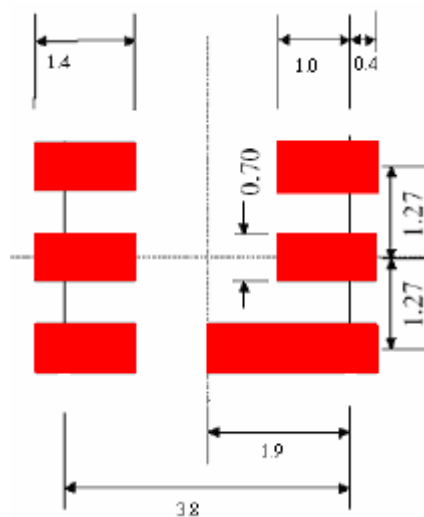
#A 、 C 、 D 、 F : Ground

Δ : Year Code

□ : Data Code(Follow the table provided by planer each year)

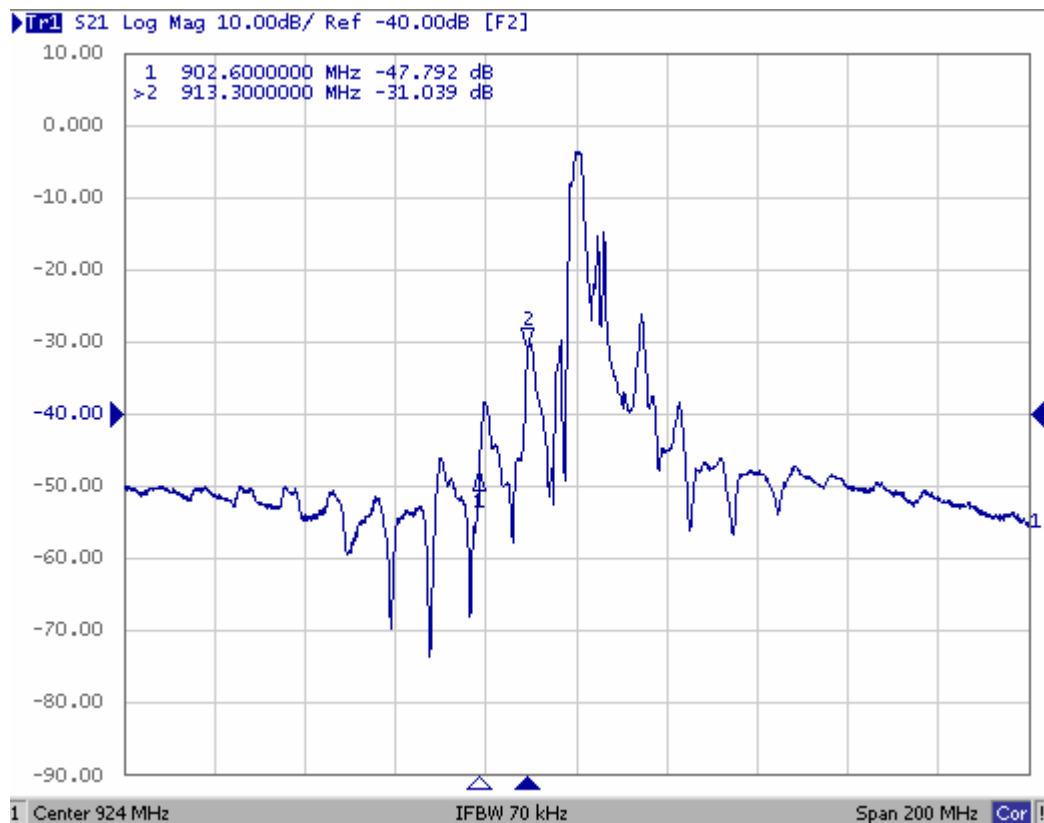
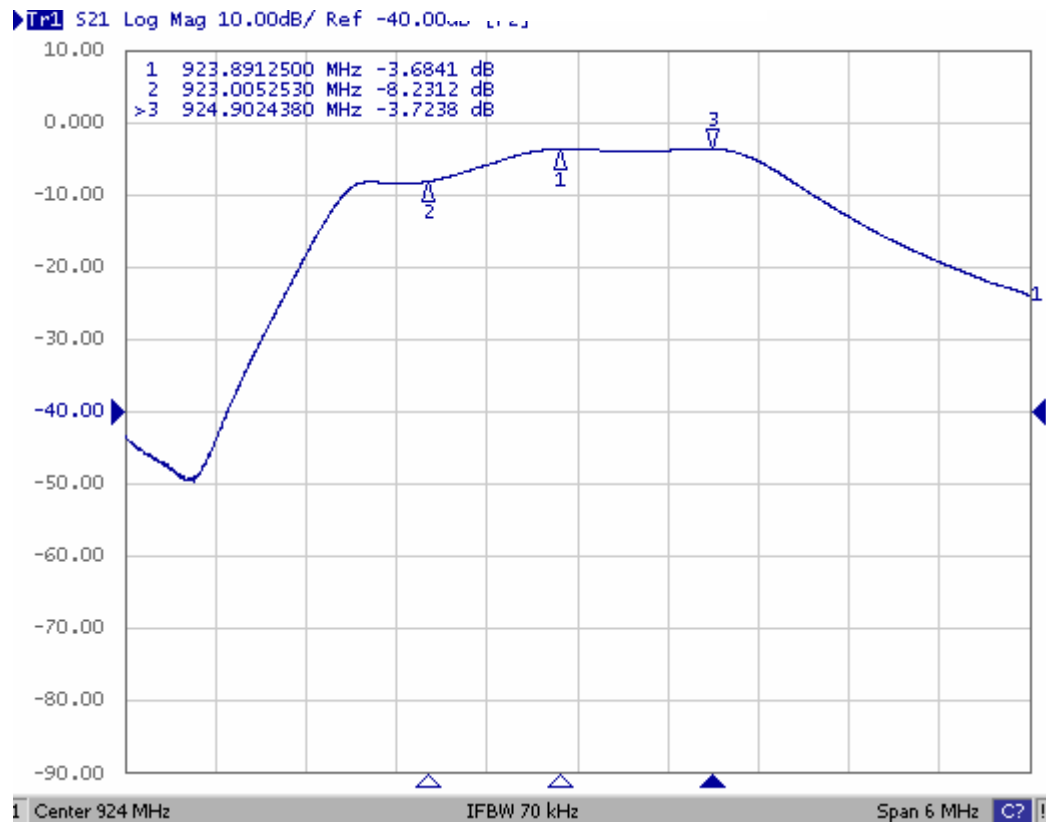
Unit : mm

E. PCB Footprint :



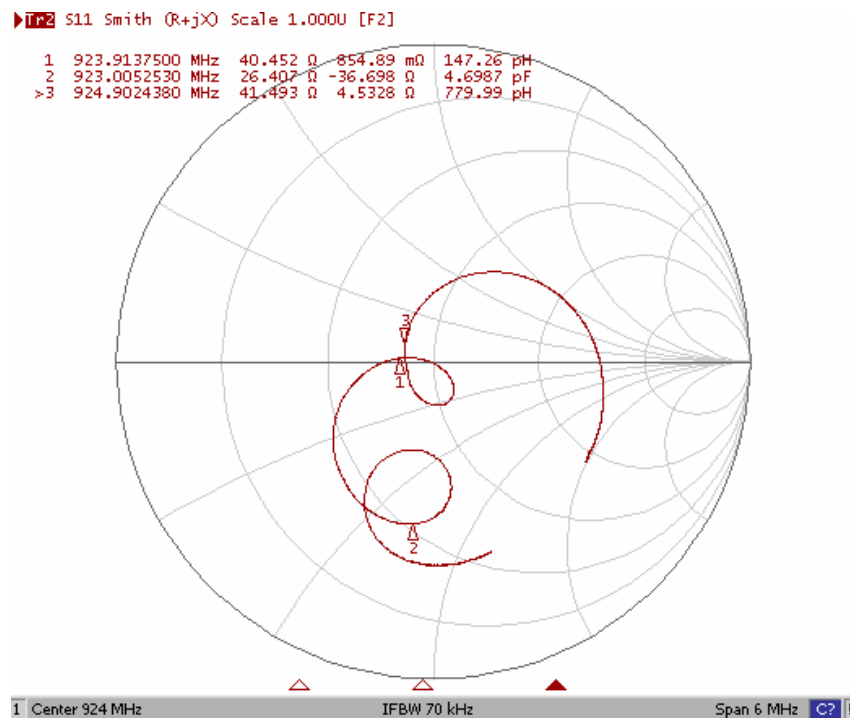
F. Frequency Characteristics :

Transfer function

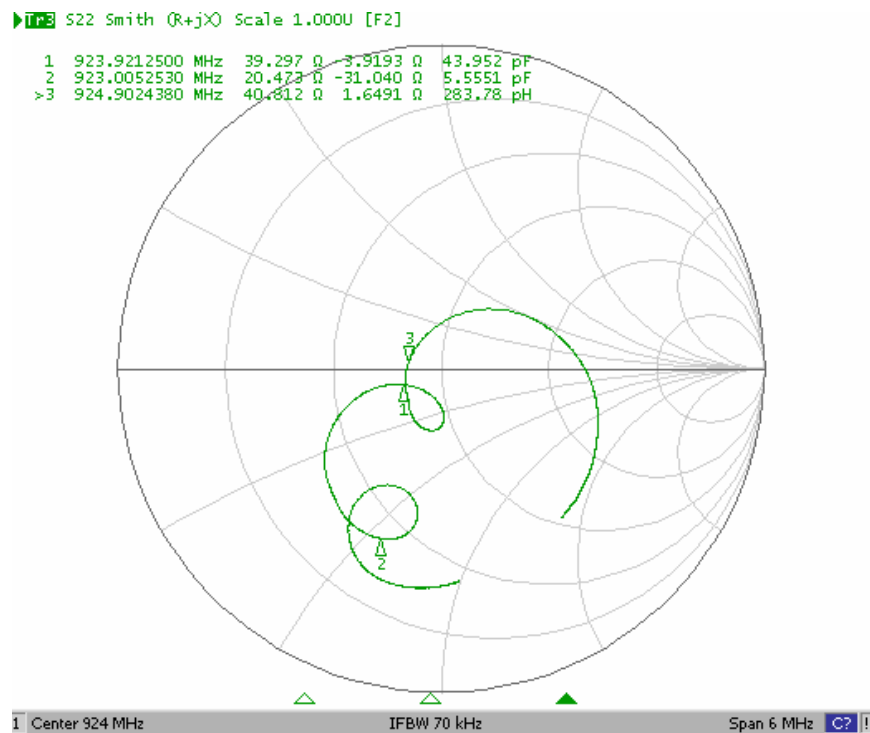


Smith Chart:

S11:

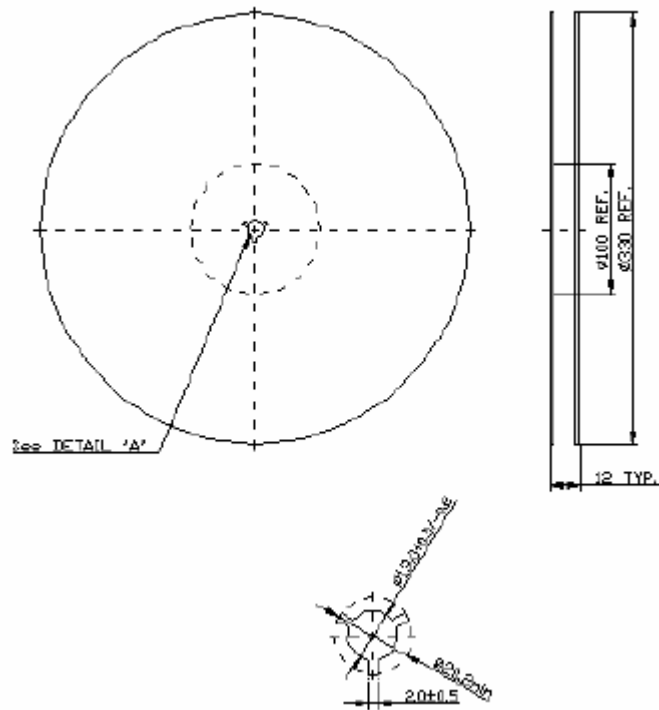


S22:



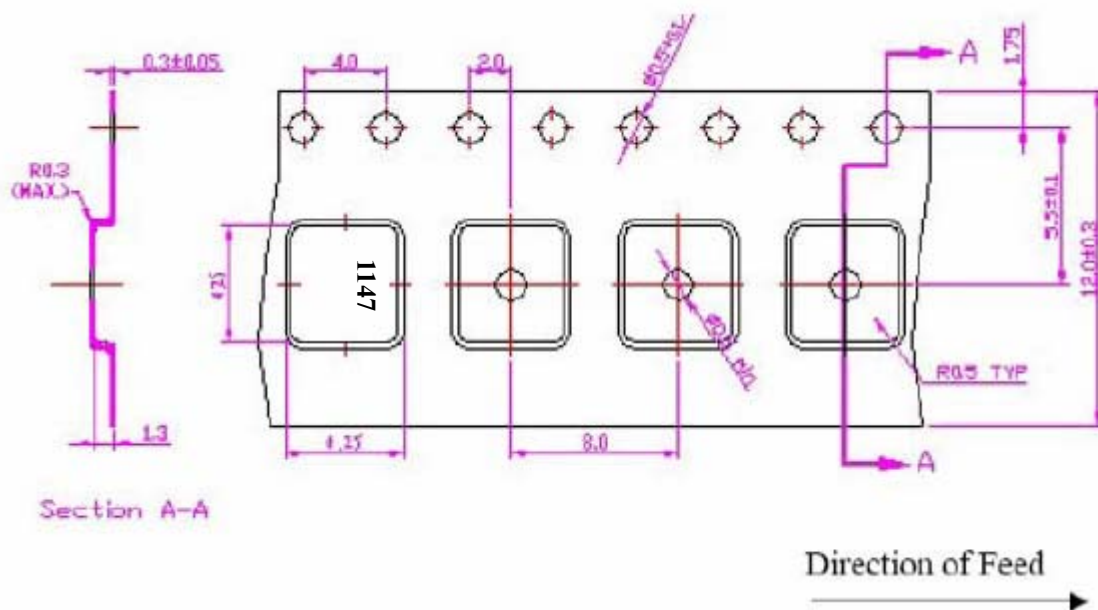
G. PACKING:

1. REEL DIMENSION



v

2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE:

