



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

Product Specifications Approval Sheet

Product Description: SAW Filter 922MHz SMD 3.8X3.8 mm (BW₃=2MHz)

TST Part No.: TA1246A

Customer Part No.: _____

Customer signature required
Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: Paul Ni *Paul Ni*

Approved by: Francis Chen *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 922 MHz

MODEL NO.: TA1246A

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

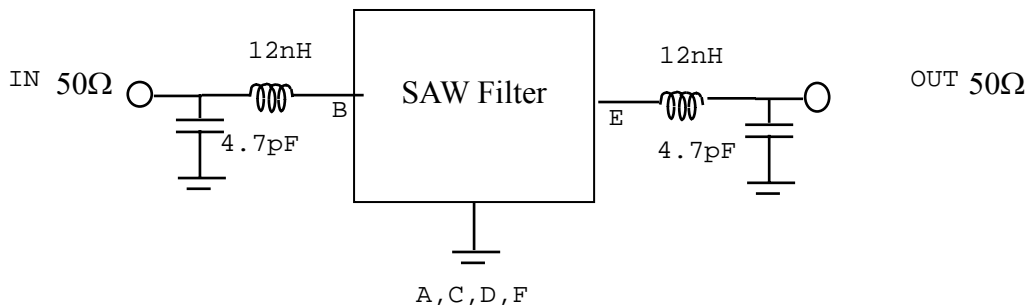
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

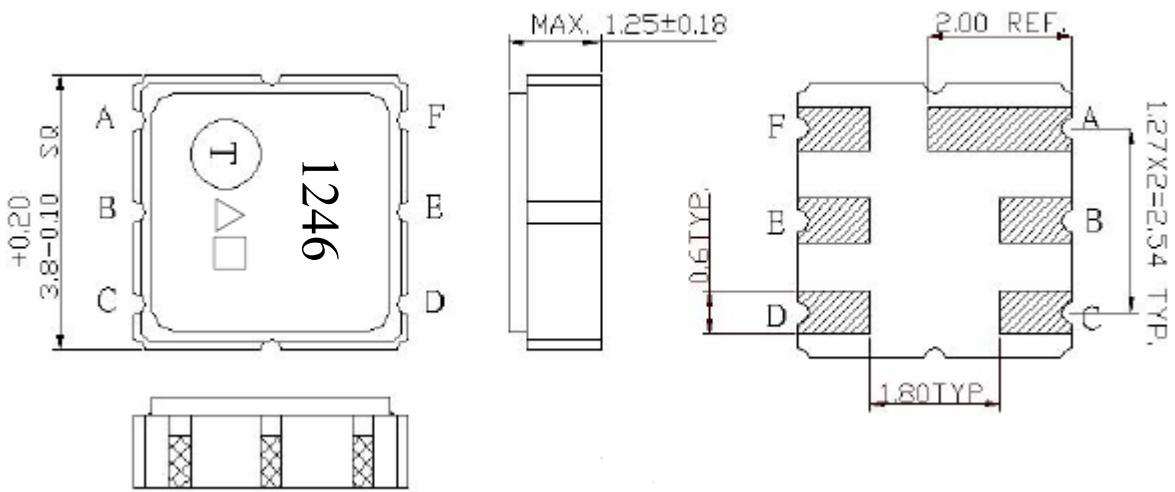
Item	Unit	Min.	Typ.	Max.
Center frequency F_c	MHz	-	922	-
Insertion loss IL(min)	dB	-	3.6	5.5
Pass bandwidth(relative to IL) BW₃	KHz		2000	-
Attenuation (Reference level from 0 dB)				
At F _c -21.4MHz	dB	43	50	-
At F _c -10.7MHz	dB	27	33	-
Impedance at F_c, Input Z_{in} = R_{in}//C_{in} Z _S	Ω	136.2Ω//3.3pF		
Impedance at F_c, Output Z_{out} = R_{out}//C_{out} Z _L	Ω	136.2Ω//3.3pF		

C. MEASUREMENT CIRCUIT:

HP Network analyzer



D.OUTLINE DRAWING:



#E : Input or Output

#B : Output or Input

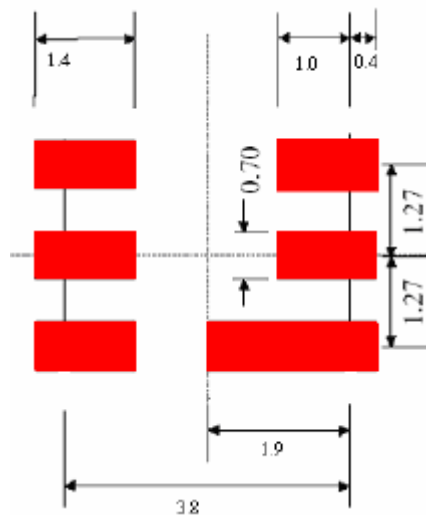
#A 、 C 、 D 、 F : Ground

Δ : Year Code

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

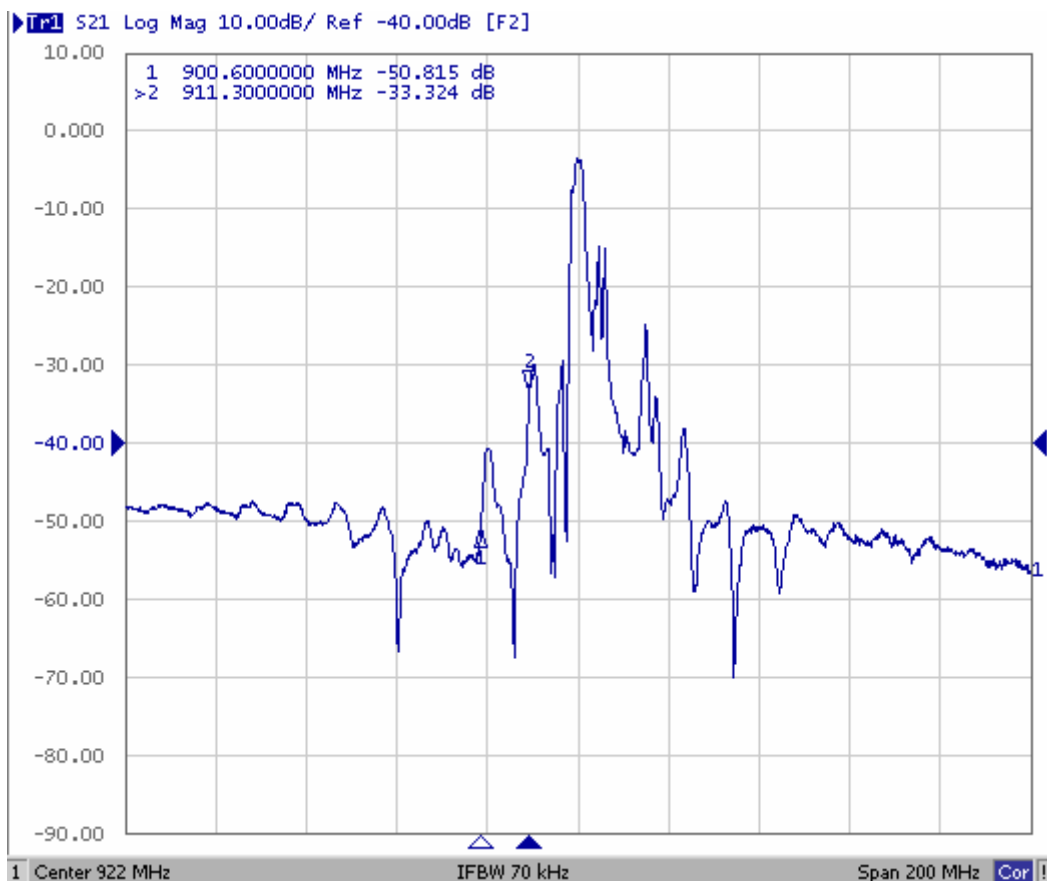
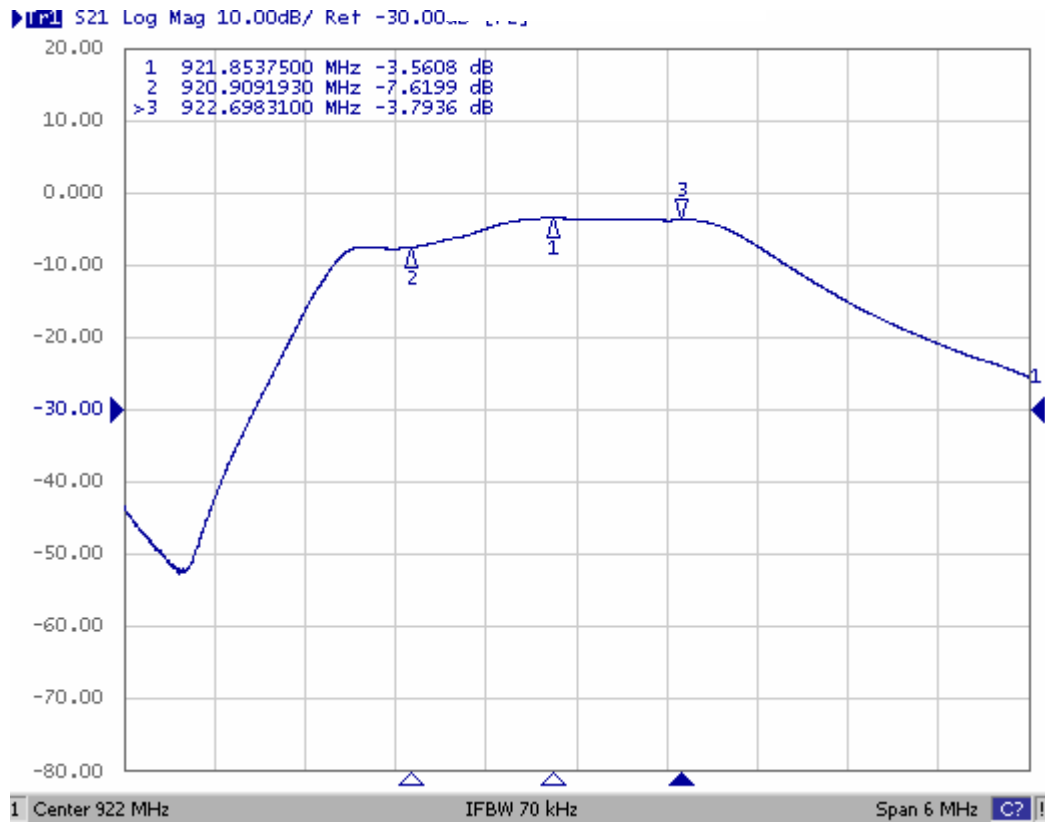
Unit : mm

E. PCB Footprint :

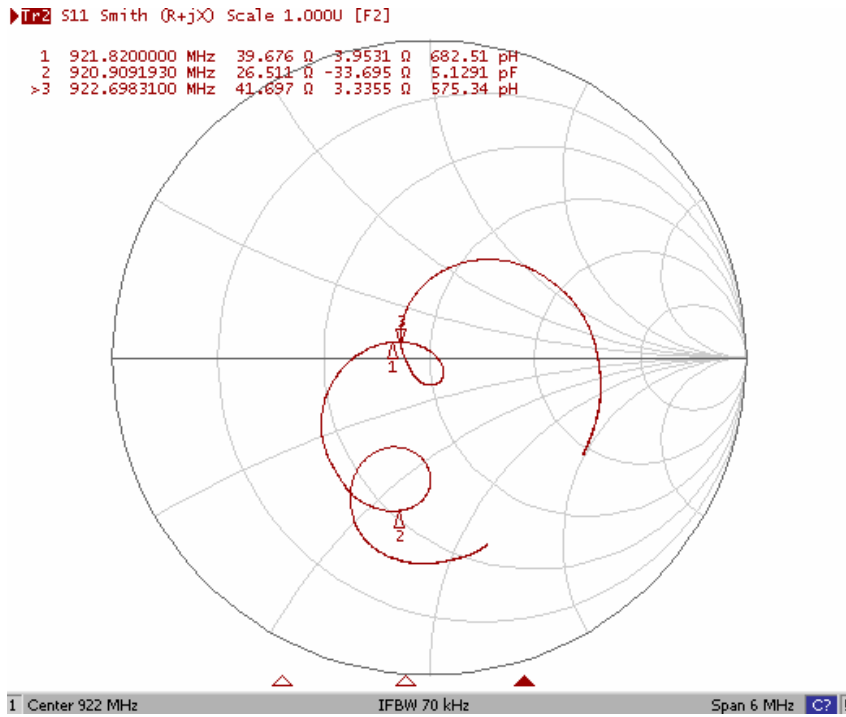


F. Frequency Characteristics :

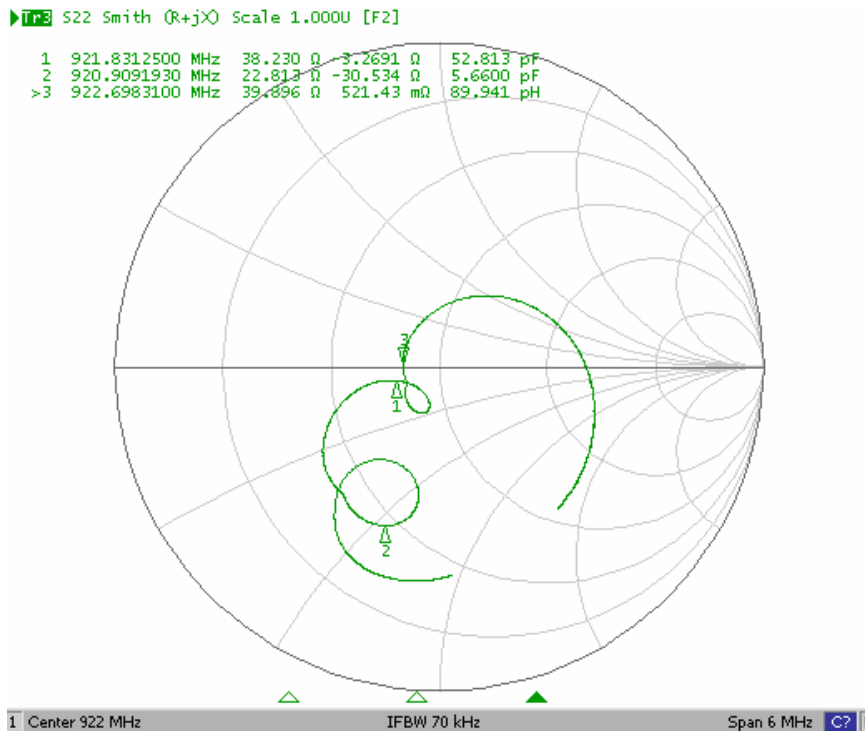
Transfer function



**Smith Chart:
S11:**

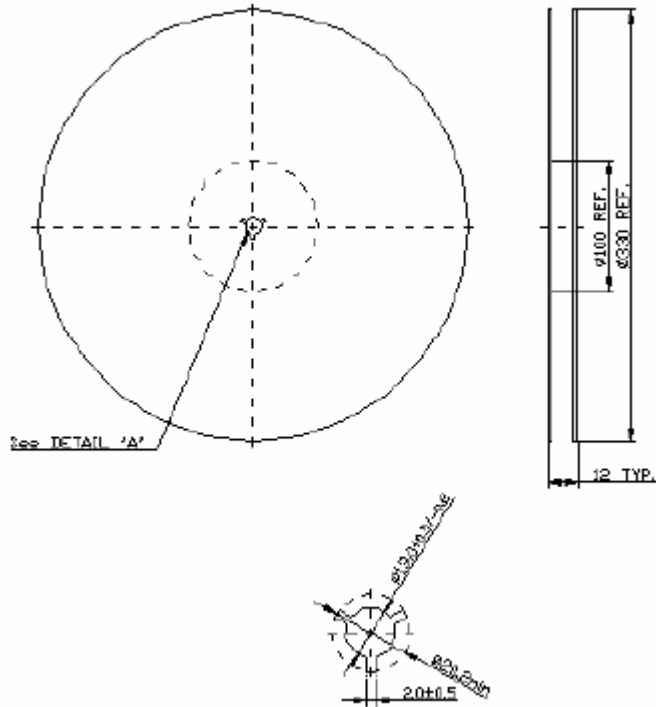


S22:



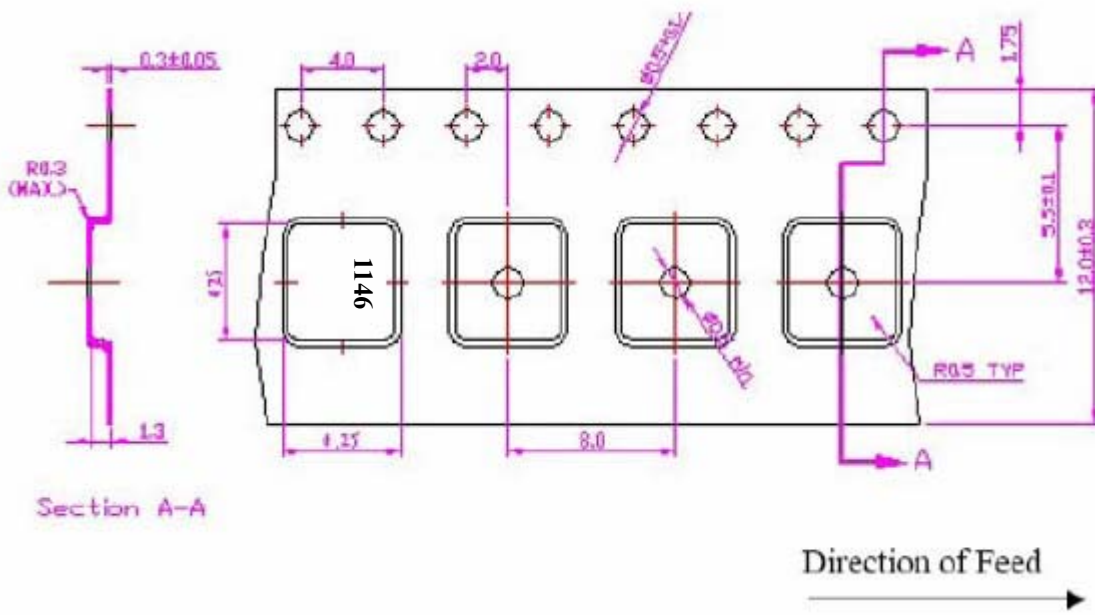
G. PACKING:

1. REEL DIMENSION



v

2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE:

