



TAI-SAW TECHNOLOGY CO., LTD.

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

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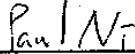
Product Specifications Approval Sheet

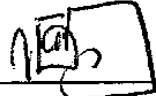
Product Description: SAW Filter 868MHz SMD 3.8X3.8 mm (BW₃=1.8MHz)

TST Part No.: TA1245A

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 868 MHz

MODEL NO.: TA1245A

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

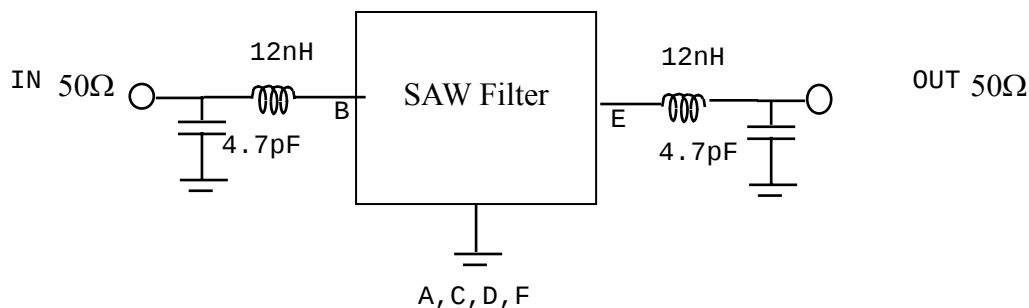
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

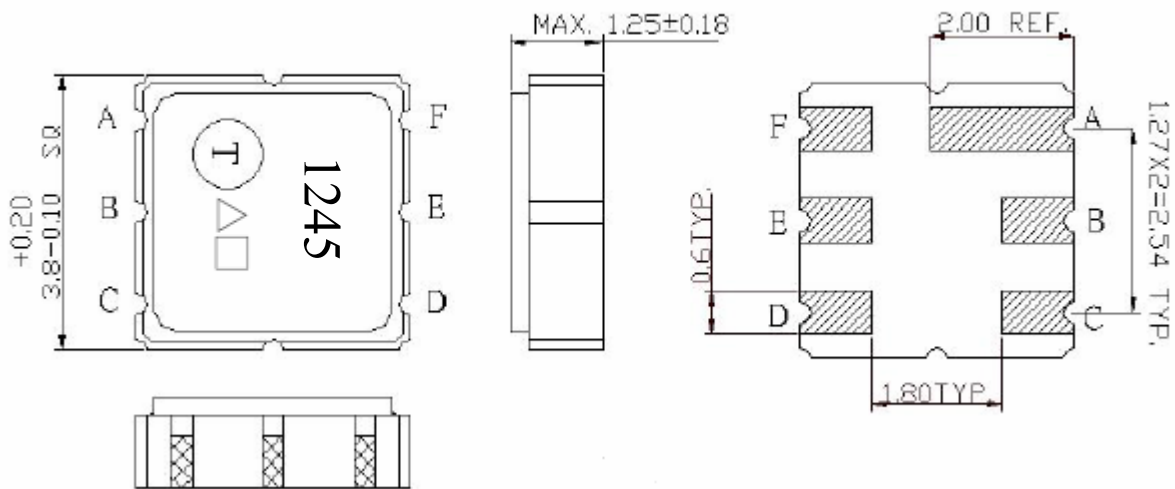
Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	868	-
Insertion loss IL(min)	dB	-	3.6	5.5
Pass bandwidth(relative to IL) BW ₃	KHz		1800	-
Attenuation (Reference level from 0 dB)				
At Fc-21.4MHz	dB	43	53	-
At Fc-10.7MHz	dB	42	52	-
Impedance at Fc, Input Z _{in} = R _{in} //C _{in} Z _S	Ω	108.4 Ω//3.7pF		
Impedance at Fc, Output Z _{out} = R _{out} //C _{out} Z _L	Ω	108.4 Ω//3.7pF		

C. MEASUREMENT CIRCUIT:

HP Network analyzer



D.OUTLINE DRAWING:



#E : Input or Output

#B : Output or Input

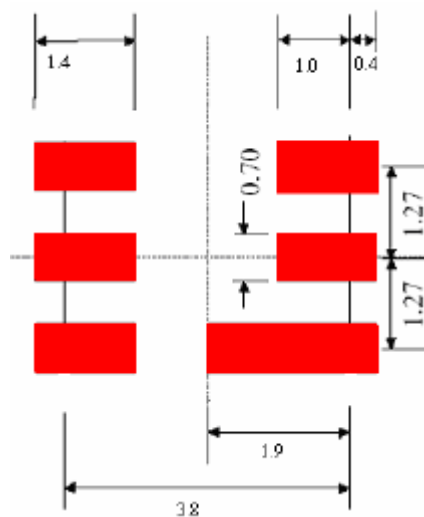
#A、C、D、F : Ground

Δ : Year Code

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

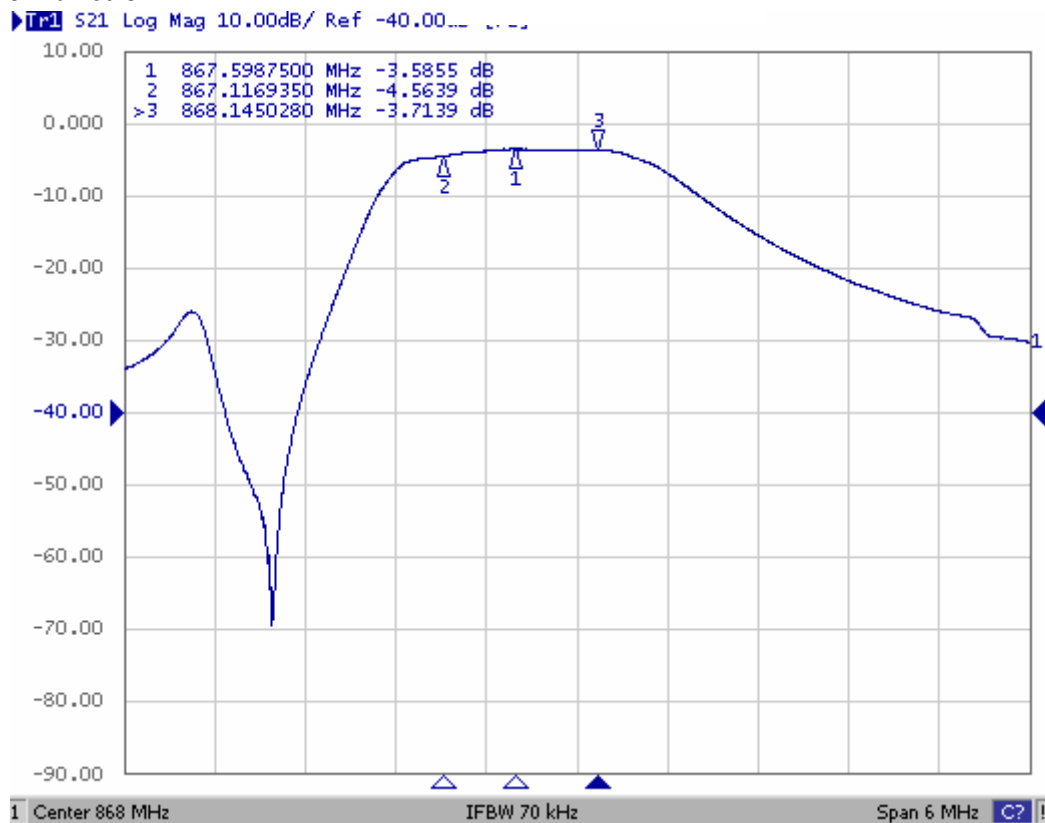
Unit : mm

E. PCB Footprint :



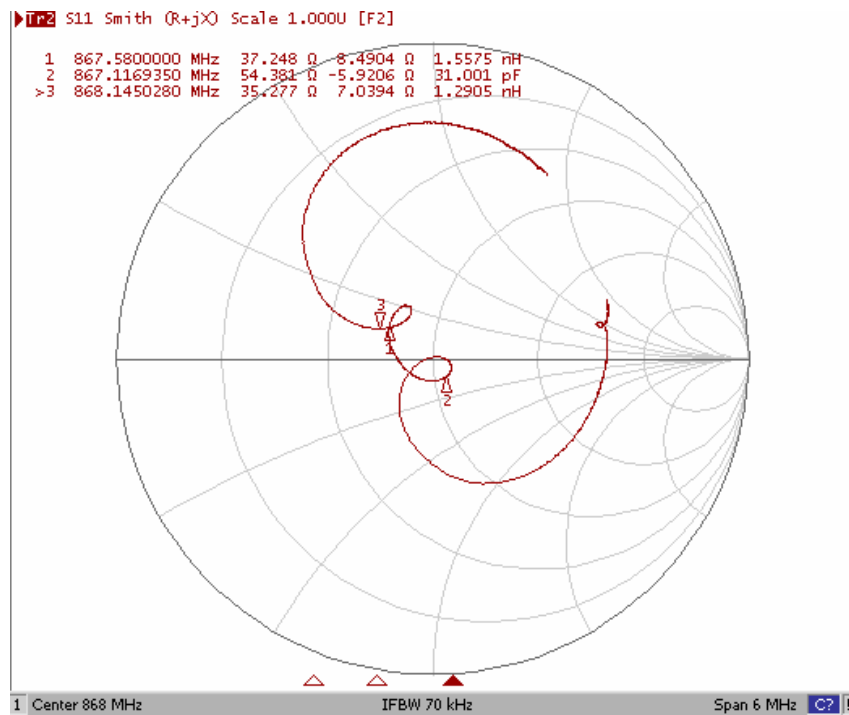
F. Frequency Characteristics :

Transfer function

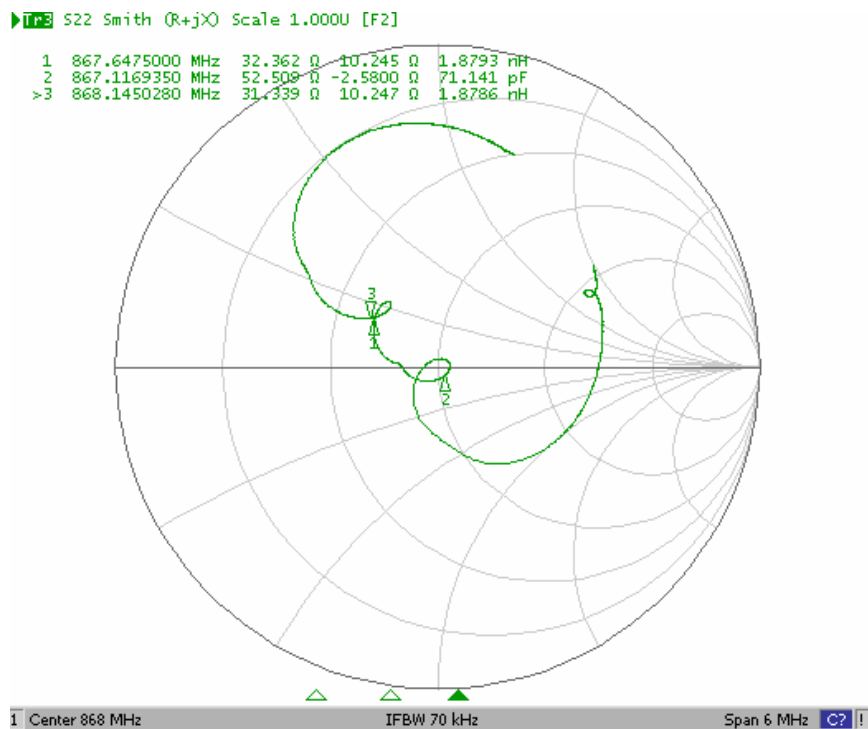


Smith Chart:

S11:

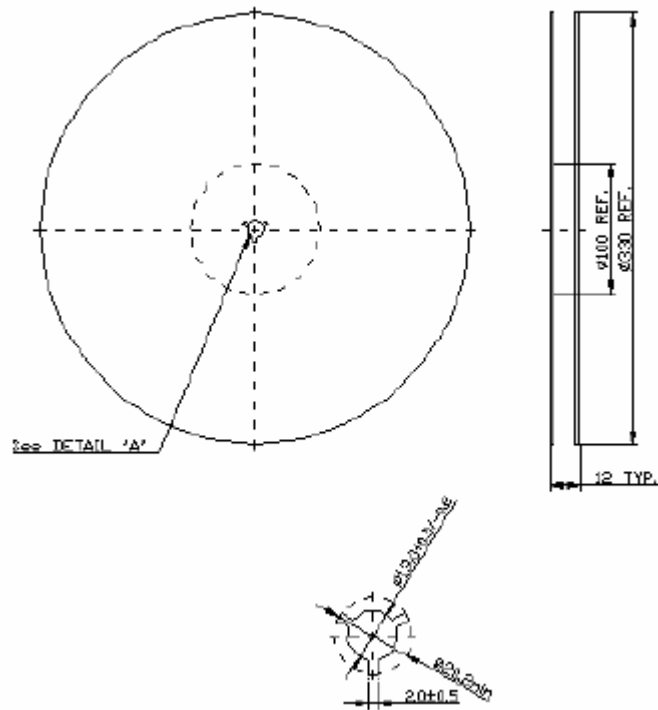


S22:



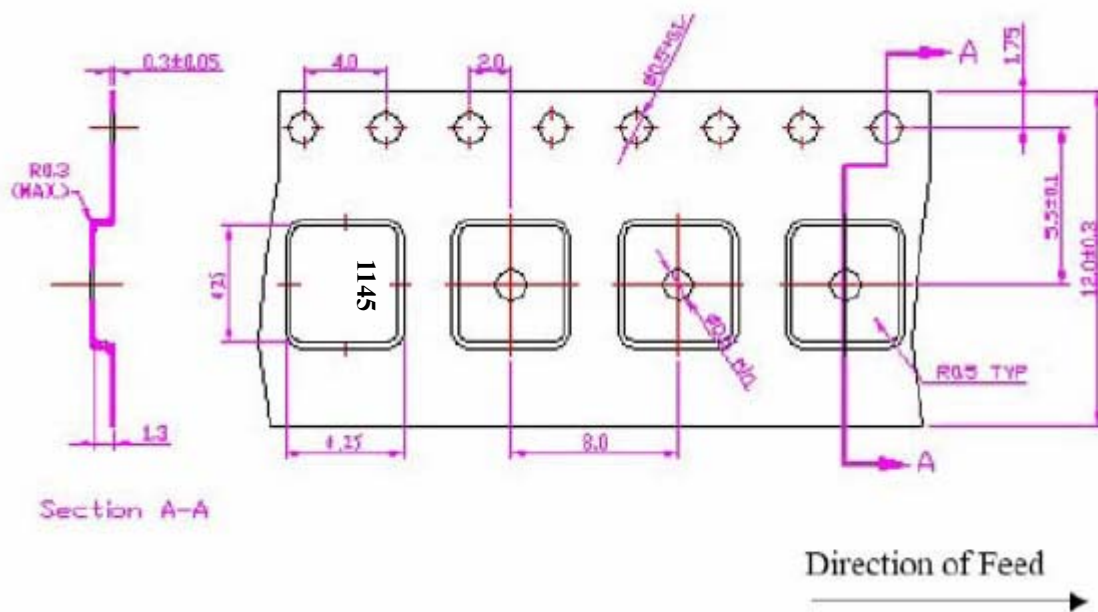
G. PACKING:

1. REEL DIMENSION



v

2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE:

