



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 873 MHz SMD 2.5X2.0 mm

TST Part No.: TA1066A

Customer Part No.: _____

Customer signature required

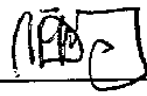
Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Bob Chau 

Approved by: _____ Francis Chen 

Date: _____ 8, 11, 2009

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 873 MHz

MODEL NO.: TA1066A

REV. NO.:1.0

A. MAXIMUM RATING:

1. Input Power Level: 15 dB_m
2. DC voltage: 5 V
3. Operating Temperature: -20°C to +70°C
4. Storage Temperature: -40°C to +85°C

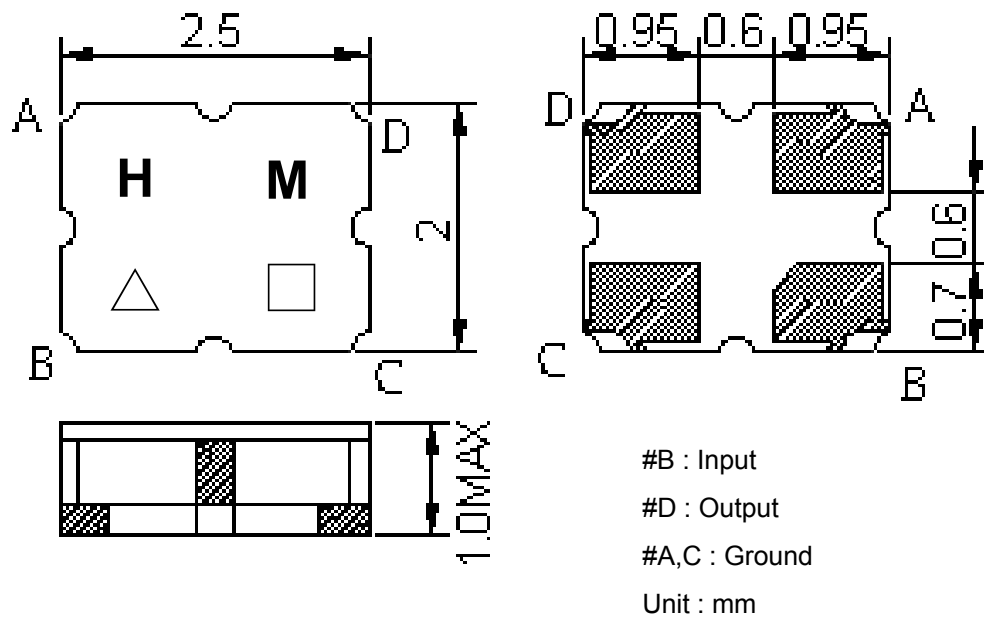
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

Item			Min.	Typ.	Max.
Center frequency	F _c	(MHz)	-	873	-
Min. Insertion loss	IL	(dB)	-	1.75	2.2
Amplitude ripple (870 ~ 876 MHz)		(dB)	-	0.2	1
Attenuation (Reference level from 0 dB)					
D.C ~ 823	MHz	(dB)	30	50	-
923 ~ 1600	MHz	(dB)	30	45	-
1600 ~ 2000	MHz	(dB)	25	45	-
2000 ~ 3000	MHz	(dB)	15	30	-
Return Loss (870 ~ 876 MHz)		(dB)	10	13	-
Source impedance	Z _s	(Ω)	-	50	-
Load impedance	Z _L	(Ω)	-	50	-

Note1. No matching network required for operation at 50 Ω

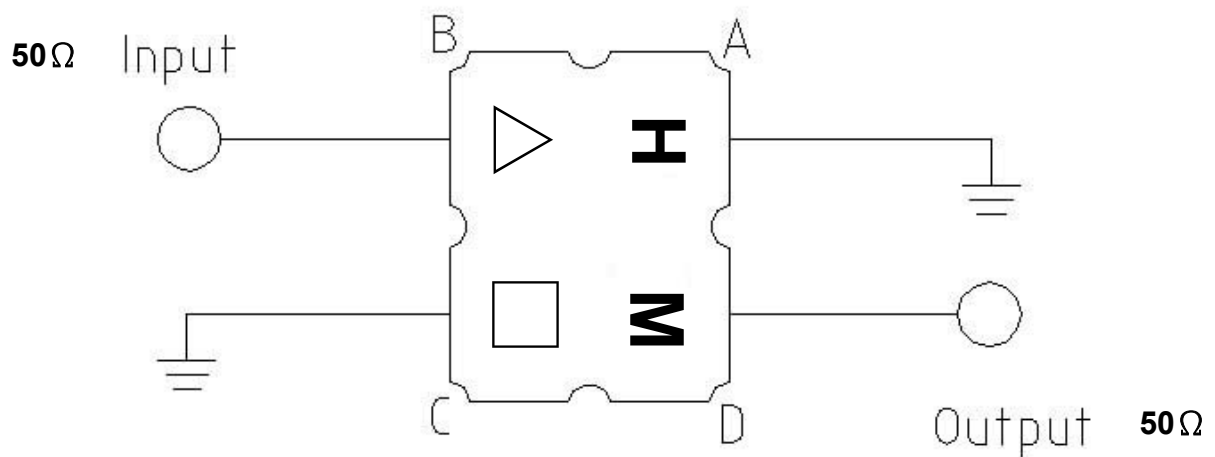
C.OUTLINE DRAWING:



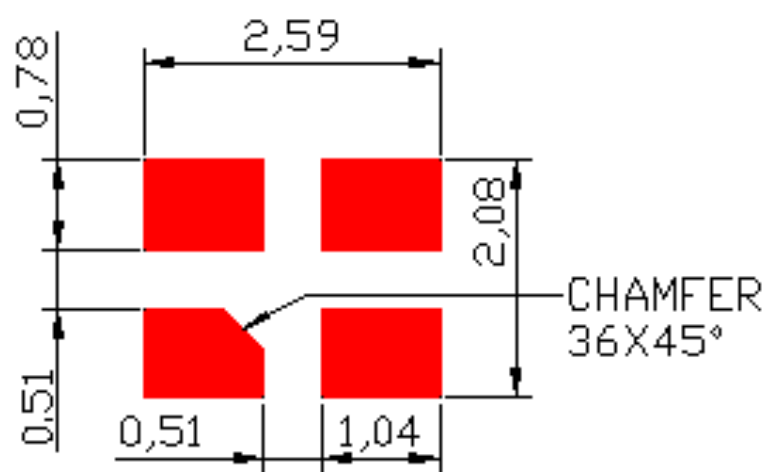
△ : Year Code (2006->6, ..., 2009->9)

□ : Date Code (W01->A,W02->B,...W27->a,...,W52->z)

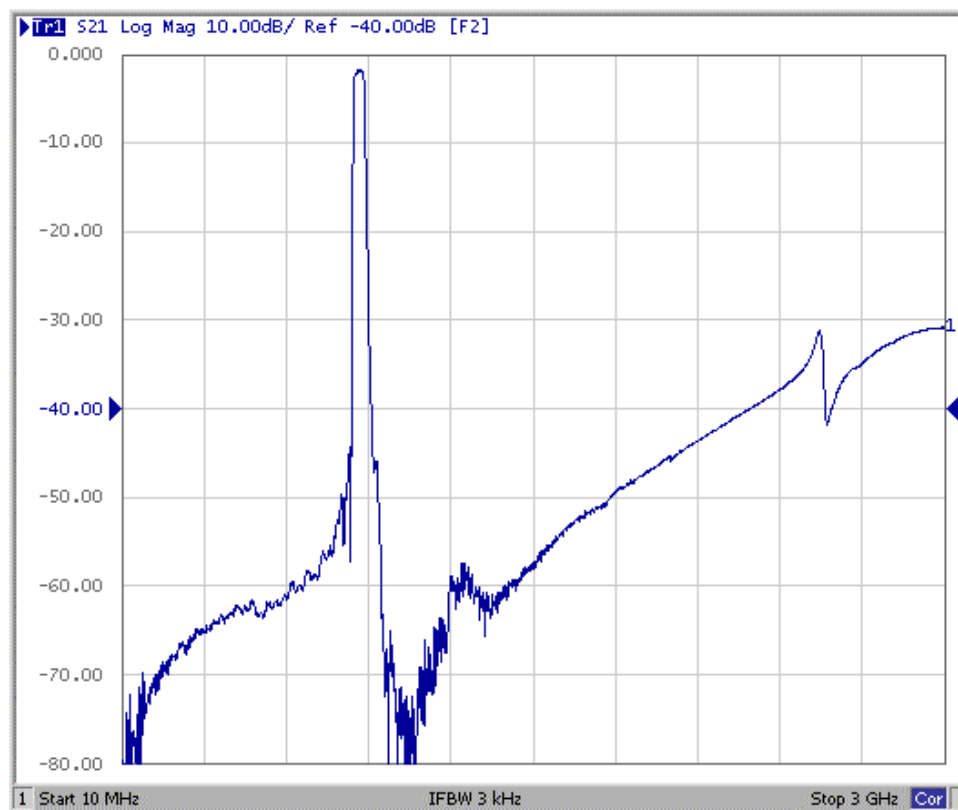
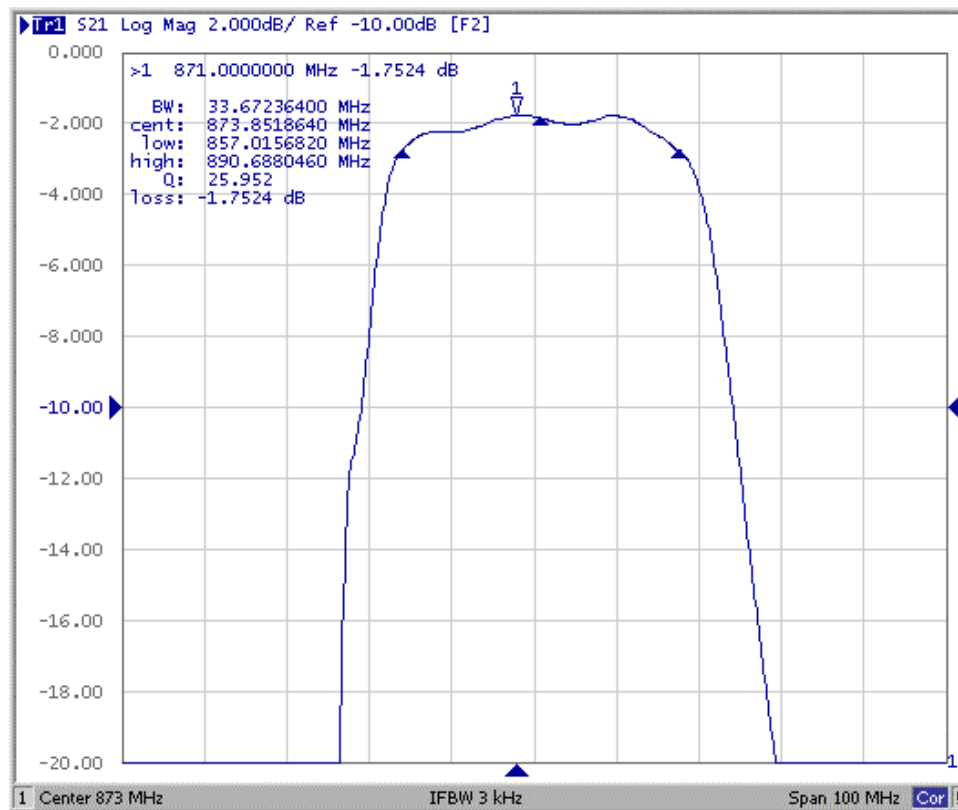
D. MEASUREMENT CIRCUIT:



E. PCB Footprint:

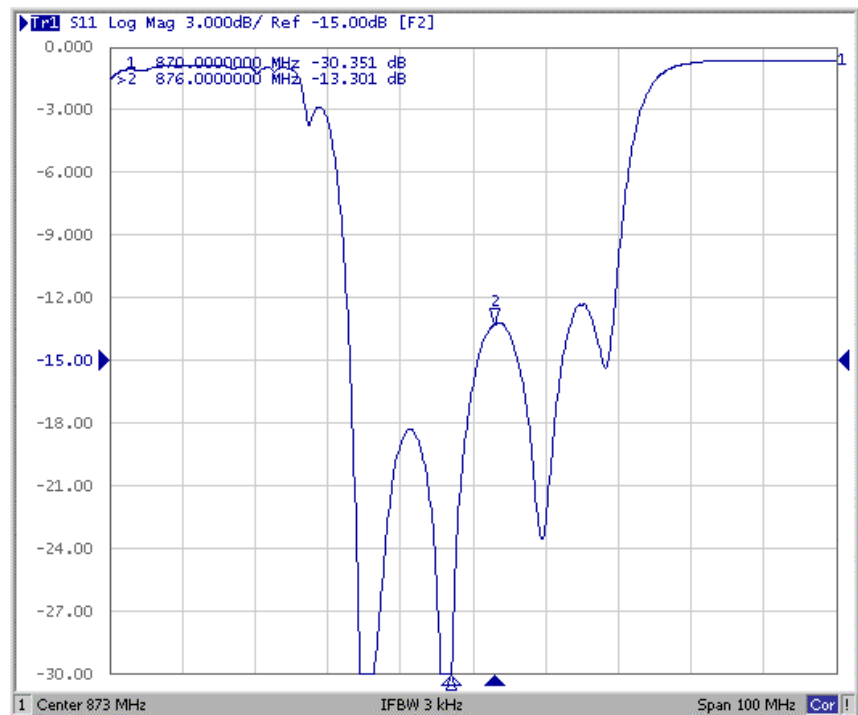


F. Frequency Characteristics : Transfer function

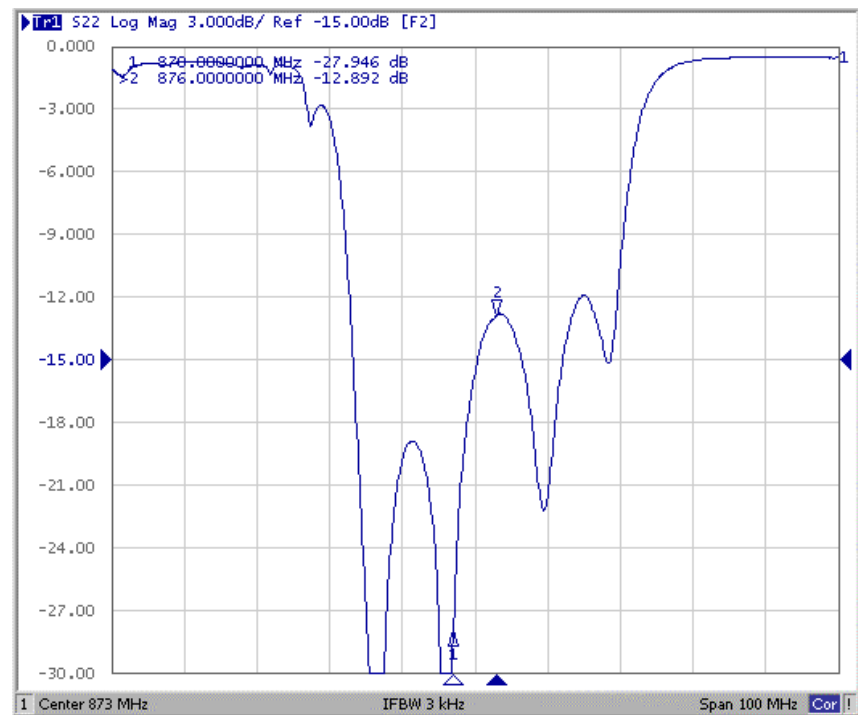


Reflections Functions :

S11 Return Loss

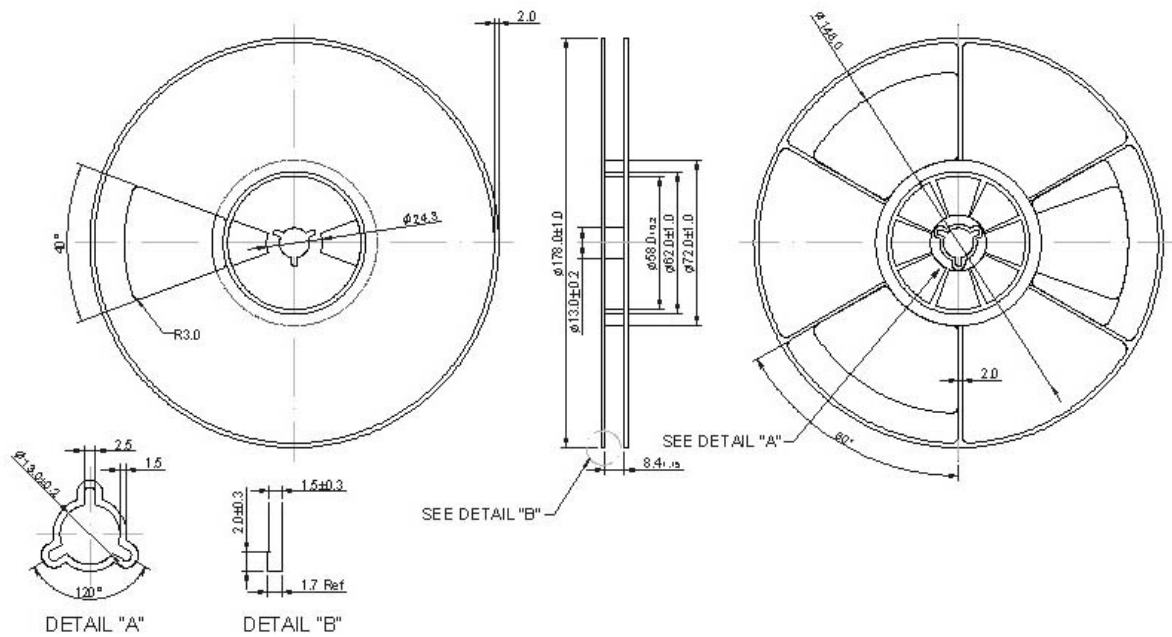


S22 Return Loss

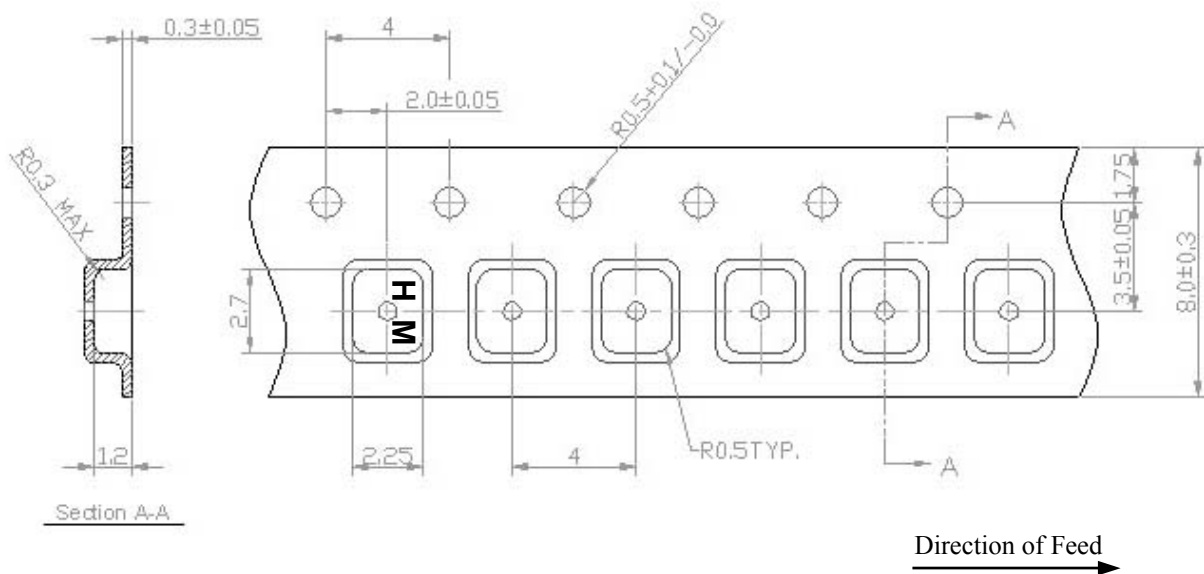


G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

