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 1910 MHz SMD 2.5X2.0 mm

TST Part No.: TA1069A

Customer Part No.:_____

Customer signature required

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Bob Chau _____

Approved by:_____ Francis Chen _____

Date:_____ 8,26, 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 1910 MHz

MODEL NO.: **TA1069A** REV. NO.:1.0

A. MAXIMUM RATING:

1.Input Power Level: 15 dB_m

2.DC voltage: 5 V

3.Operating Temperature: 10°C to +70°C

4.Storage Temperature: -30°C to +85°C

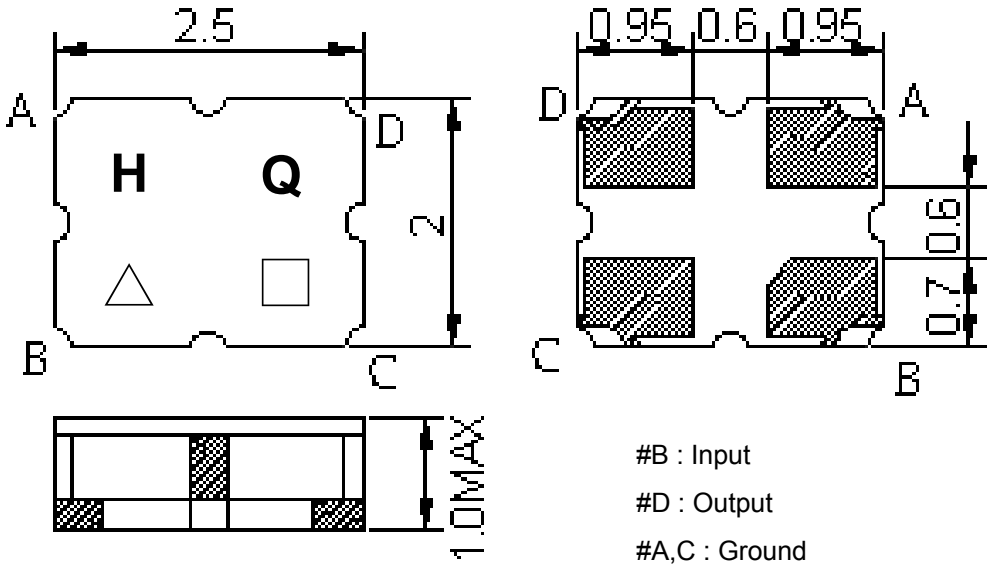
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

Item			Min.	Typ.	Max.
Center frequency	**Fc**	(MHz)	-	1910	-
Insertion loss (1900~1920 MHz)	**IL**	(dB)	-	2.6	3.7
Amplitude ripple (1900~1920 MHz)		(dB)	-	1	2
Attenuation (Reference level from 0 dB)					
925 ~ 1400 MHz		(dB)	25	28	-
1400 ~ 1825 MHz		(dB)	25	28	-
1825 ~ 1840 MHz		(dB)	20	38	-
1840 ~ 1870 MHz		(dB)	10	20	-
2040 ~ 2110 MHz		(dB)	30	34	-
2110 ~ 2300 MHz		(dB)	31	32	-
2300 ~ 2660 MHz		(dB)	30	32	-
2660 ~ 3000 MHz		(dB)	25	32	-
Return Loss (1900 ~1920 MHz)		(dB)	8	10	-
Source impedance	Zs	(Ω)	-	50	-
Load impedance	Z_L	(Ω)	-	50	-

Note1. No matching network required for operation at 50 Ω

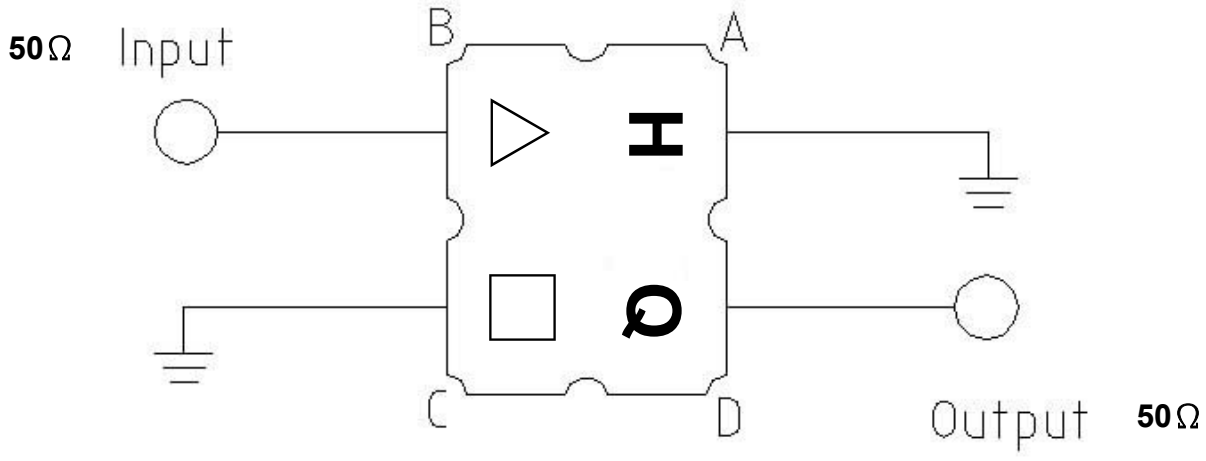
C.OUTLINE DRAWING:



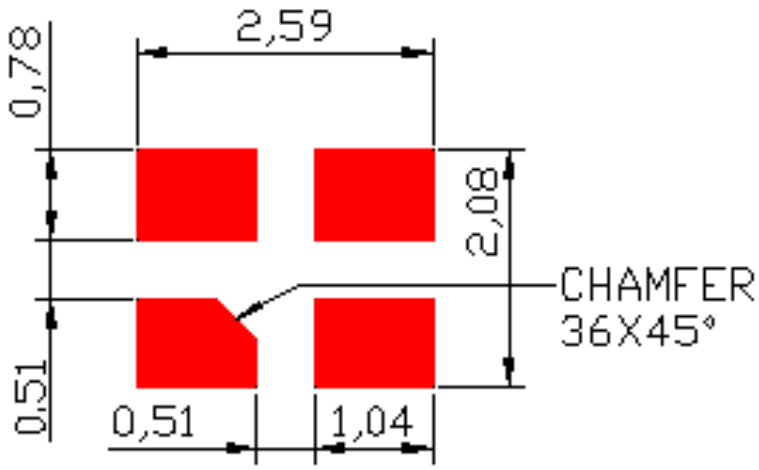
#B : Input
#D : Output
#A,C : Ground
Unit : mm

△ : Year Code (2006->6, …, 2009->9)
□ : Date Code (W01->A,W02->B,…W27->a,…,W52->z)

D. MEASUREMENT CIRCUIT:

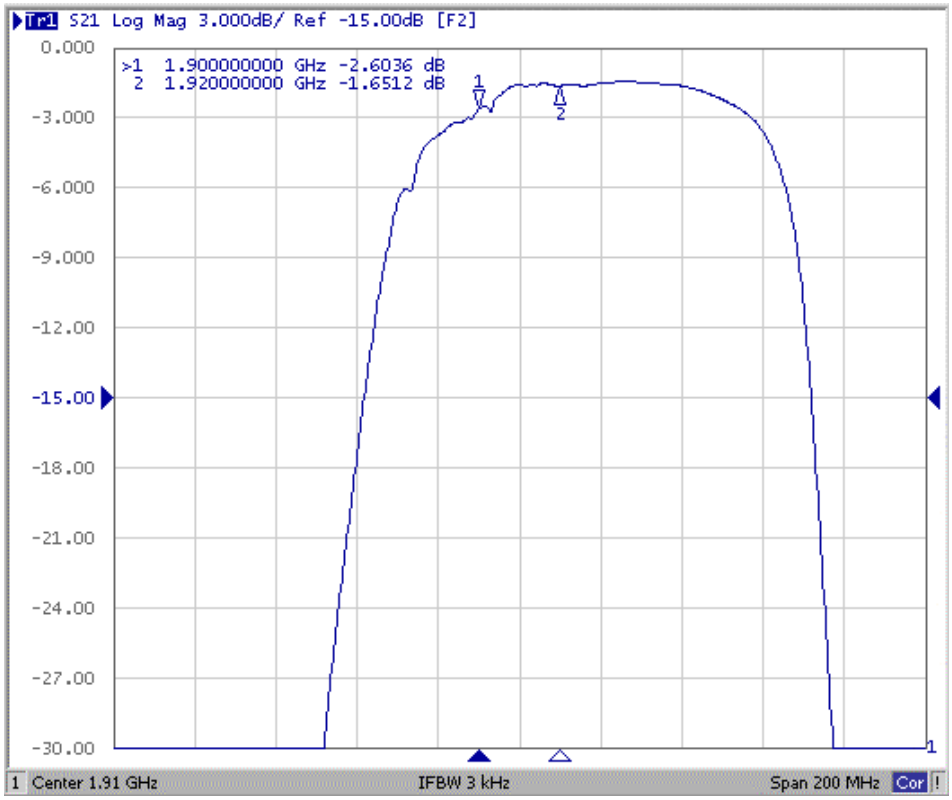


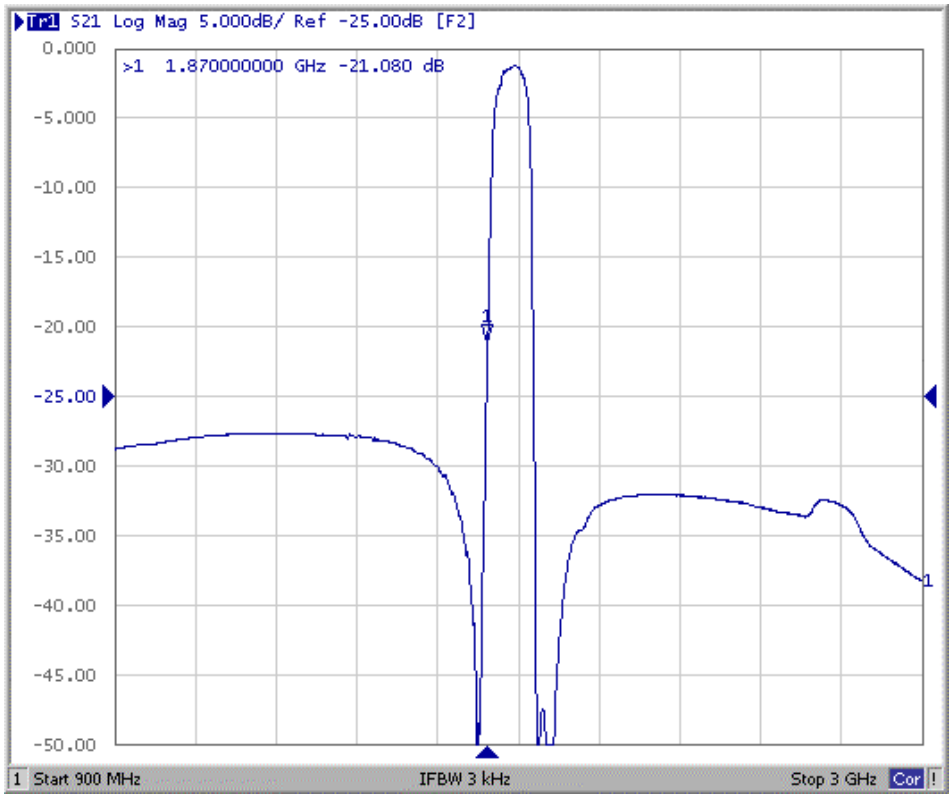
E. PCB Footprint:



F. Frequency Characteristics :

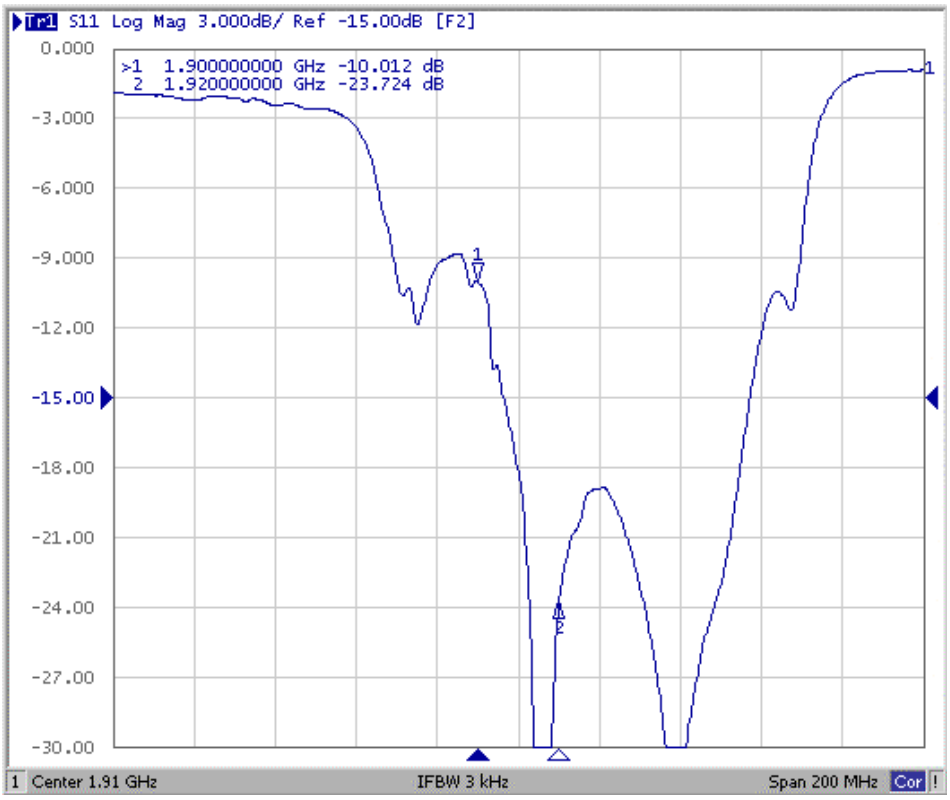
Transfer function



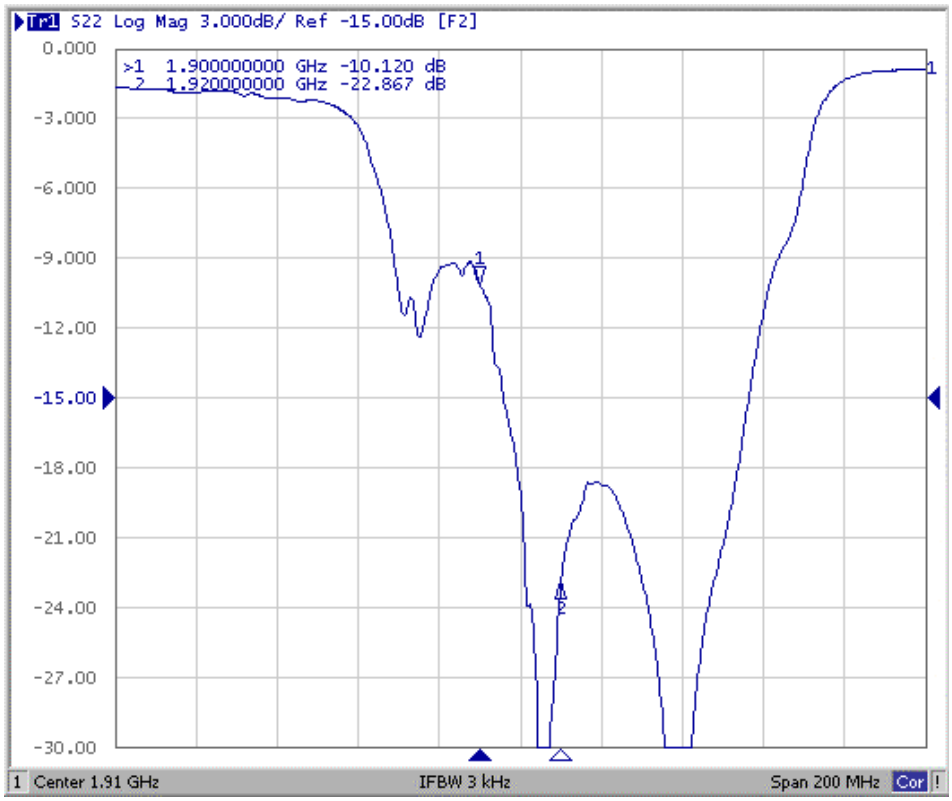


Reflections Functions :

S11 Return Loss

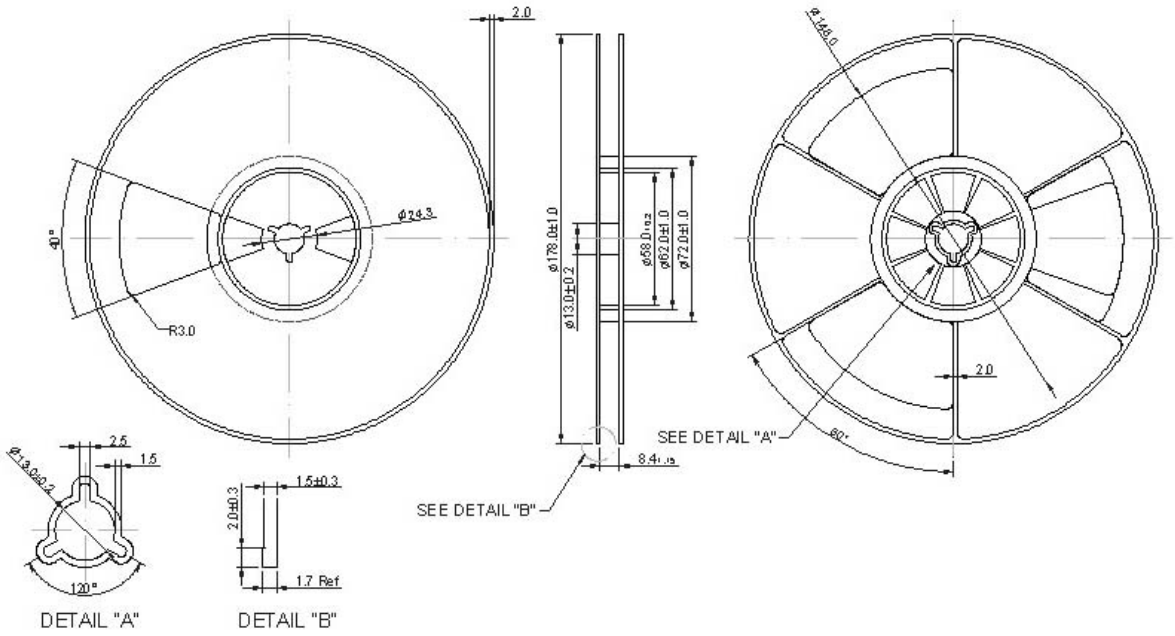


S22 Return Loss

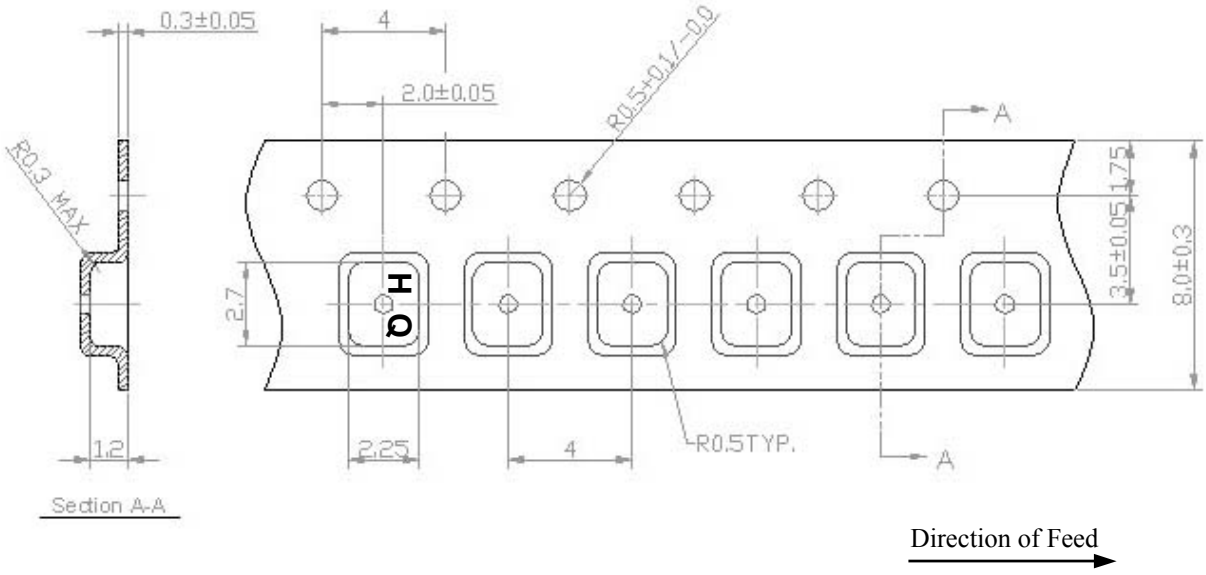


G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :