



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 2017.5 MHz SMD 3.0X3.0 mm

TST Part No.: TA1039A

Customer Part No.: _____

Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Bob Chau 

Approved by: _____ Francis Chen 

Date: _____ 9, 17, 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 2017.5 MHz

MODEL NO.:TA1039A

REV. NO.:1

A. MAXIMUM RATING:

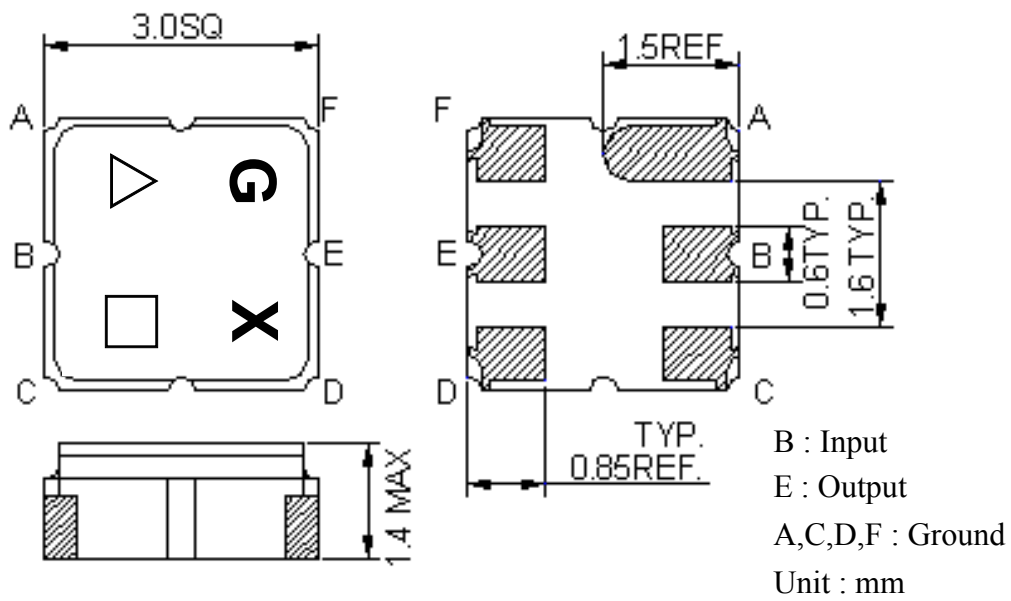
1. Input Power Level: +10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

Item		Unit	Min.	Type.	Max.	Note	
Center Frequency		Fc	MHz	-	2017.5	-	
Insertion Loss (2010~2025 MHz)		IL	dB	-	2.9	4	-
Amplitude Ripple (2010~2025 MHz)			dB	-	0.5	1.5	-
Group Delay Ripple (2010~2025 MHz)			ns		4	25	-
VSWR (2010~2025 MHz)				-	2	2.5	-
Attenuation (Reference level from 0 dB)							
D.C. ~ 1200 MHz			dB	40	48	-	-
1200 ~ 1860 MHz			dB	33	38	-	-
1920 ~ 1980 MHz			dB	13	28	-	-
2045 ~ 2070 MHz			dB	6	17	-	-
2070 ~ 2085 MHz			dB	26	39	-	-
2085 ~ 2800 MHz			dB	30	35	-	-
2800 ~ 4000 MHz			dB	22	30	-	-

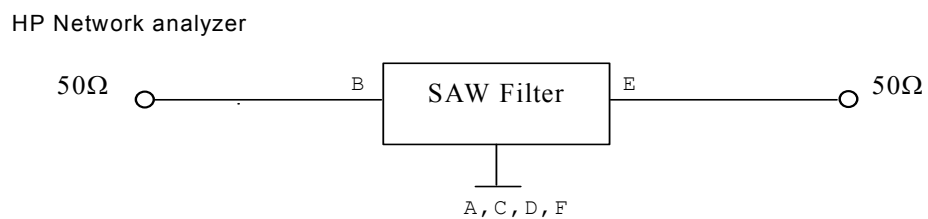
C.OUTLINE DRAWING:



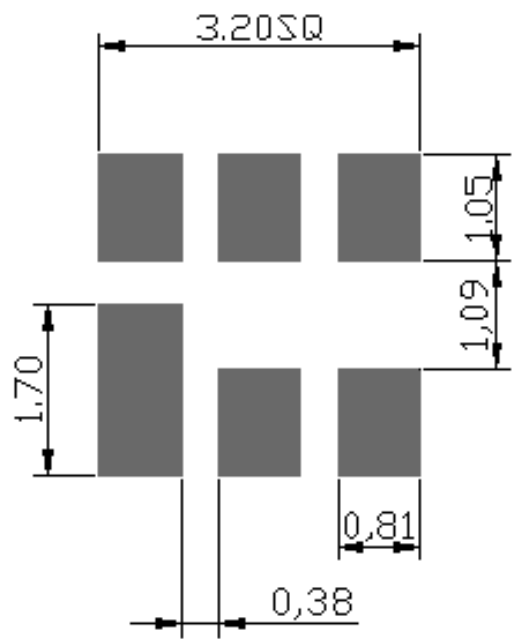
△ : Year Code (2006->6, ..., 2009->9)

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

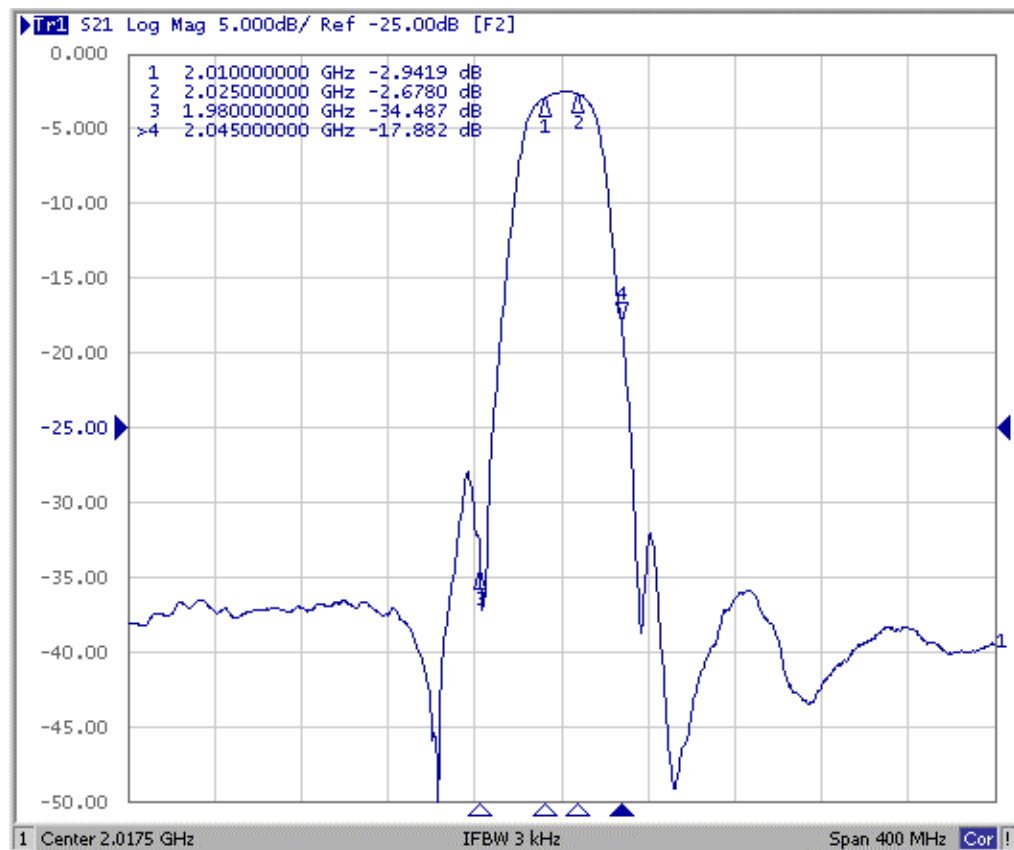
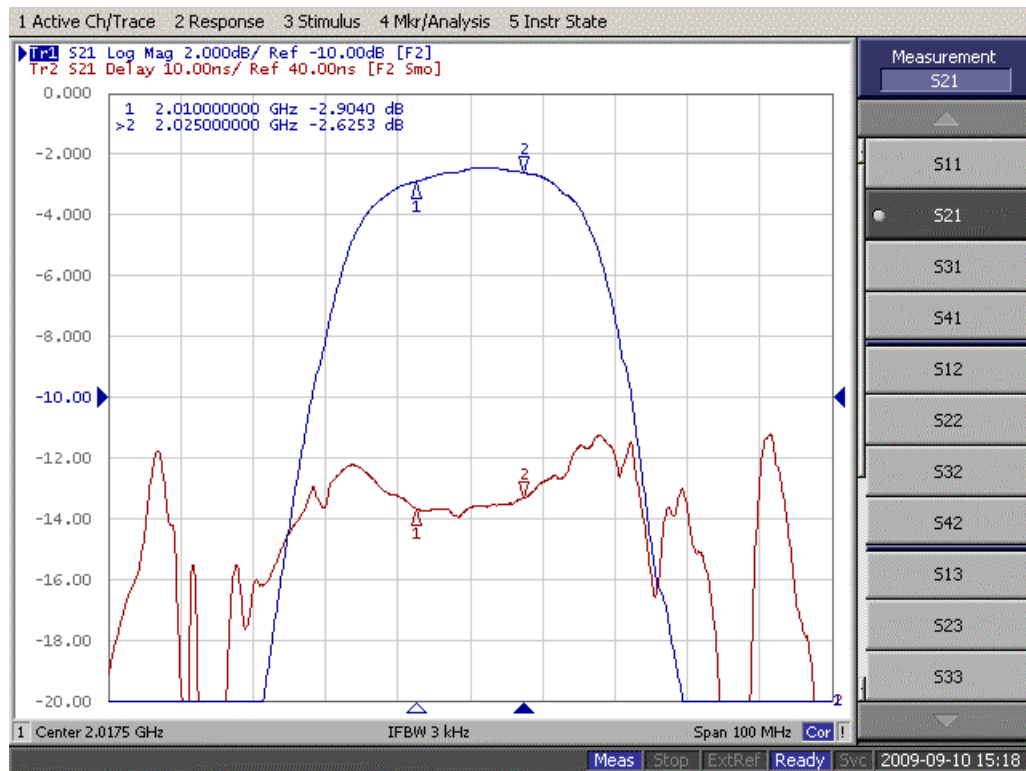
D. MEASUREMENT CIRCUIT:

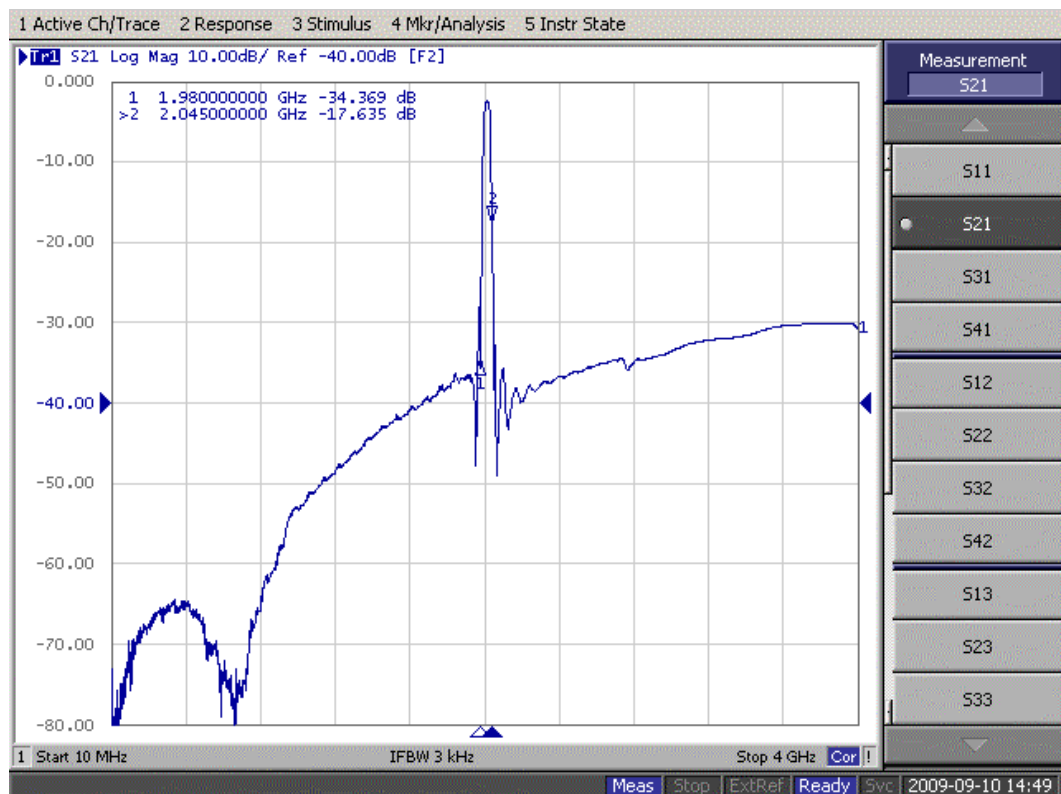


E. PCB Footprint:



F. Frequency Characteristics :

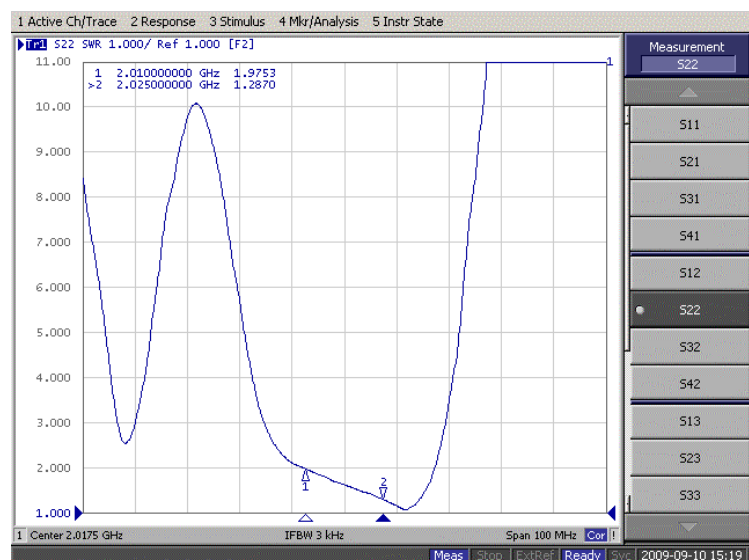
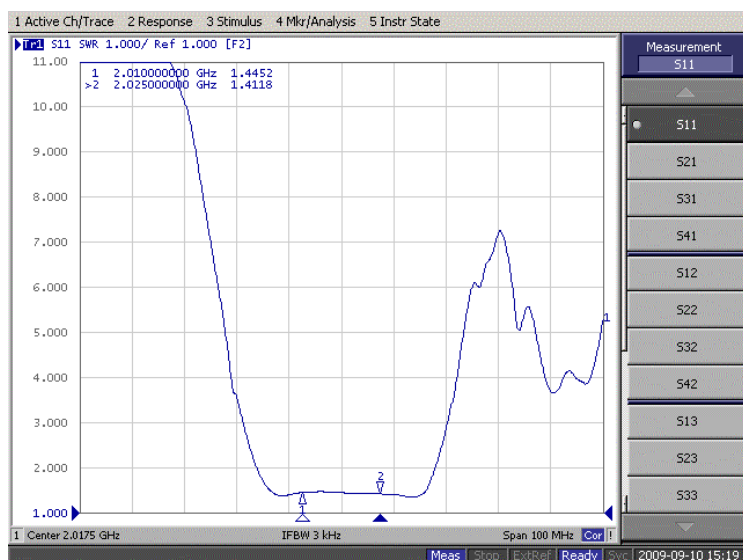




Reflection Functions :

S11

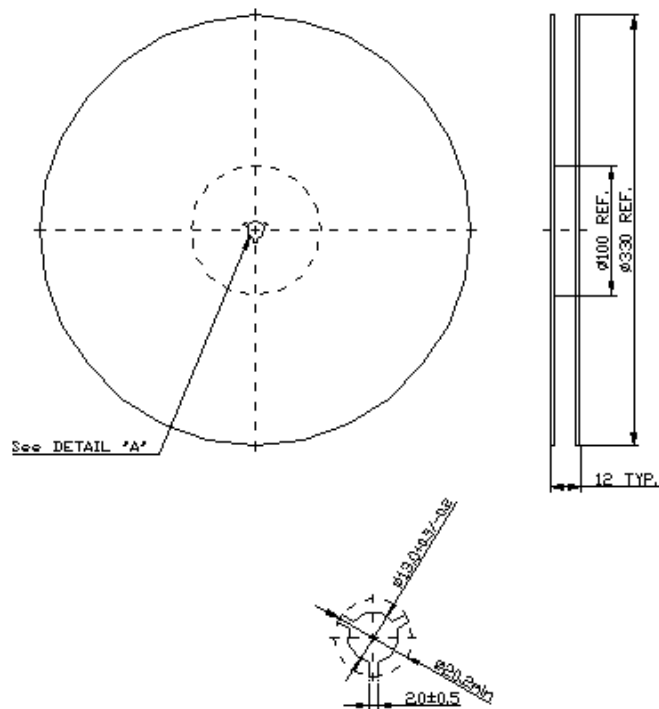
S22



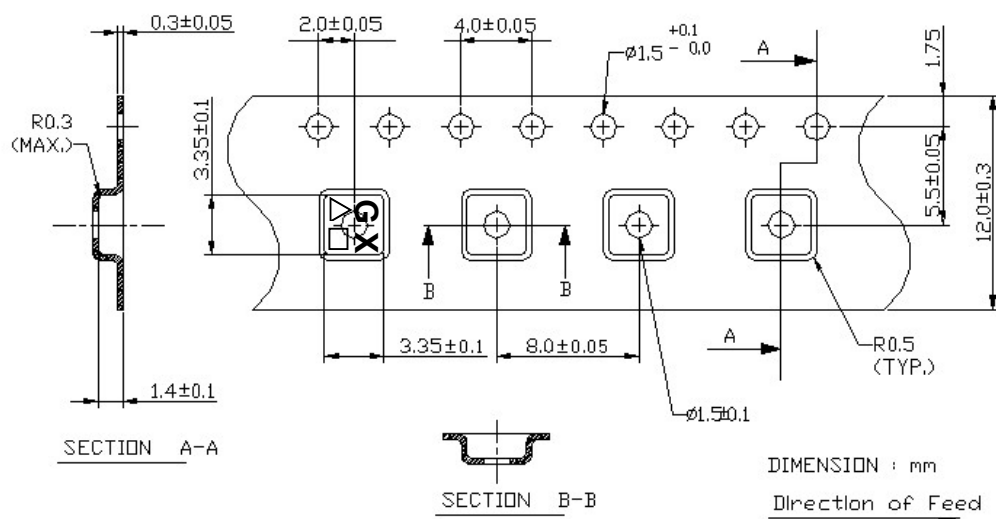
G. PACKING:

1. REEL DIMENSION

(Reel Count : 7''=1000 ; 13''=3000)



2.TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

