



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 2332.5 MHz SMD 3.0X3.0 mm (BW=25MHz)

TST Part No.: TA0273C (This part is compliance with AEC-Q200)

Customer Part No.: _____

Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Bob Chau 

Approved by: _____ Francis Chen 

Date: _____ 10, 6, 2011

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 2332.5 MHz

MODEL NO.:TA0273C

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -50°C to +95°C

RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device (ESD)

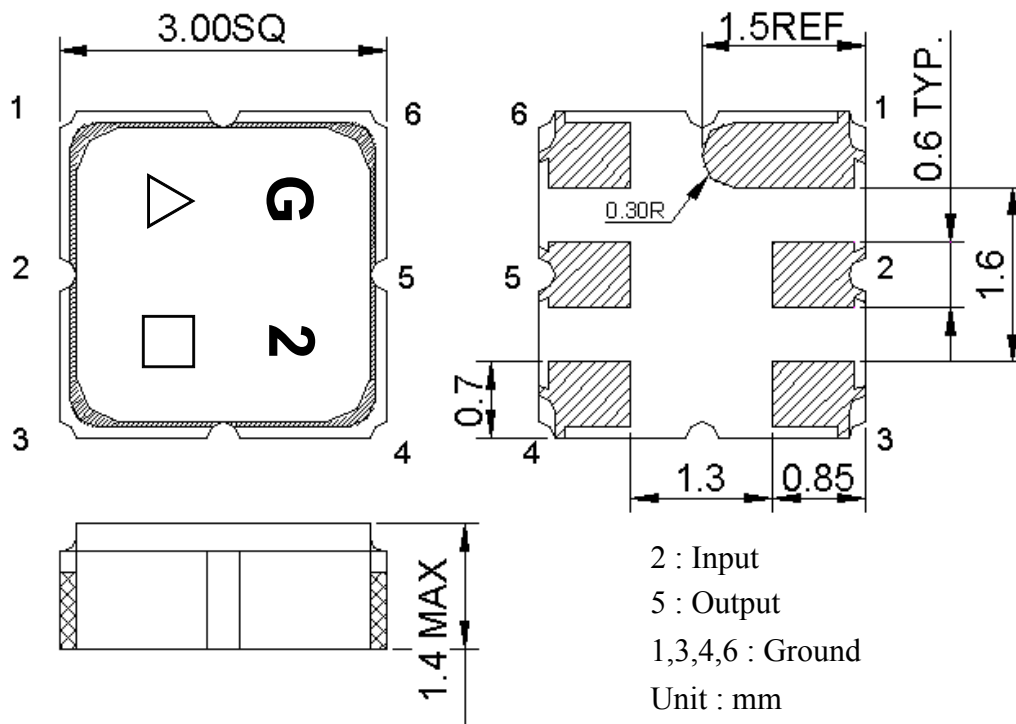
B. ELECTRICAL CHARACTERISTICS:

Terminating source impedance (single ended) : $Z_s = 50 \Omega$

Terminating load impedance (single ended) : $Z_L = 50 \Omega$

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency F_c	MHz	-	2332.5	-	-
Insertion Loss (2320 ~ 2345 MHz)	dB	-	2.1	3.5	-
Amplitude ripple (2320 ~ 2345 MHz)	dB	-	0.7	1.5	-
VSWR (2320 ~ 2345 MHz)		-	1.3	2.5	-
Group Delay ripple (2320 ~ 2345 MHz)	ns	-	5	50	-
Attenuation (reference level from 0 dB)					
DC ~ 2175 MHz	dB	40	42	-	-
2227 MHz	dB	27	43	-	-
2400 MHz	dB	12	45	-	-
2426 MHz	dB	17	54	-	-
2500 MHz	dB	27	50	-	-
2526 MHz	dB	32	50	-	-
2571 MHz	dB	35	50	-	-
2956 MHz	dB	33	37	-	-
2956 ~ 4000 MHz	dB	30	32	-	-
Temperature Coefficient of Frequency	ppm/°C	-	-36	-	-

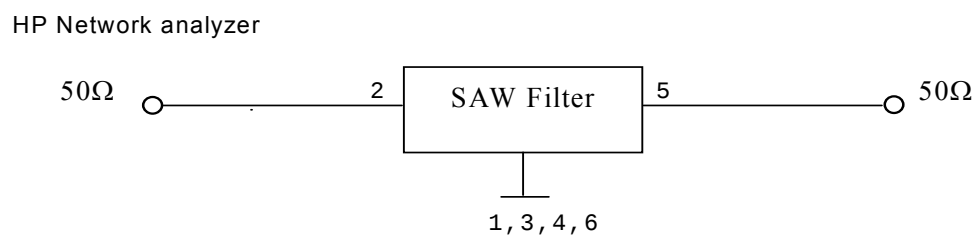
C.OUTLINE DRAWING:



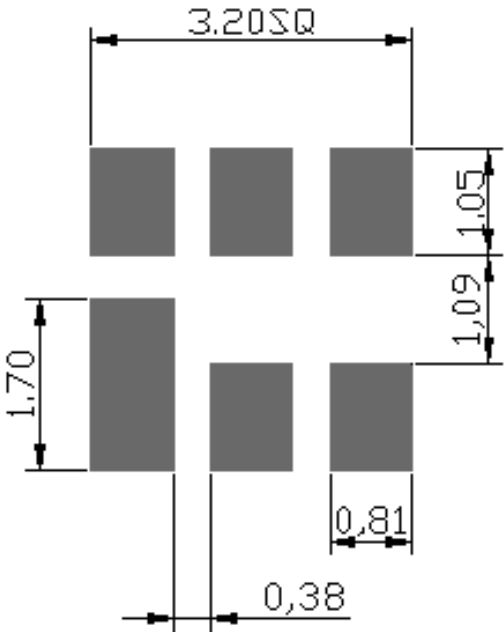
△ : Year Code (2009->9, 2010->0,..., 2018->8)

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

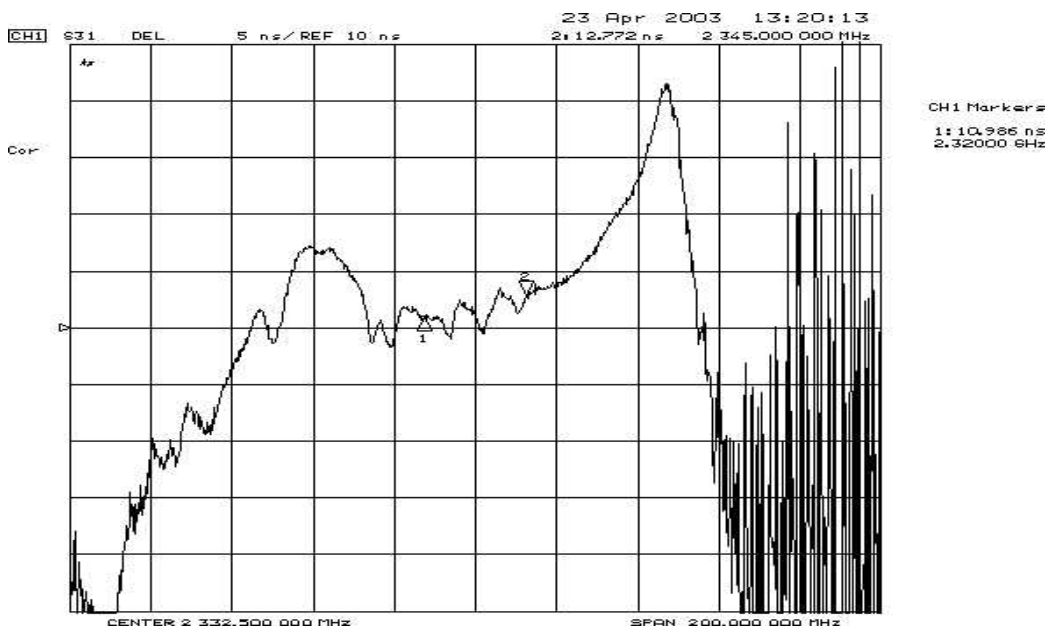
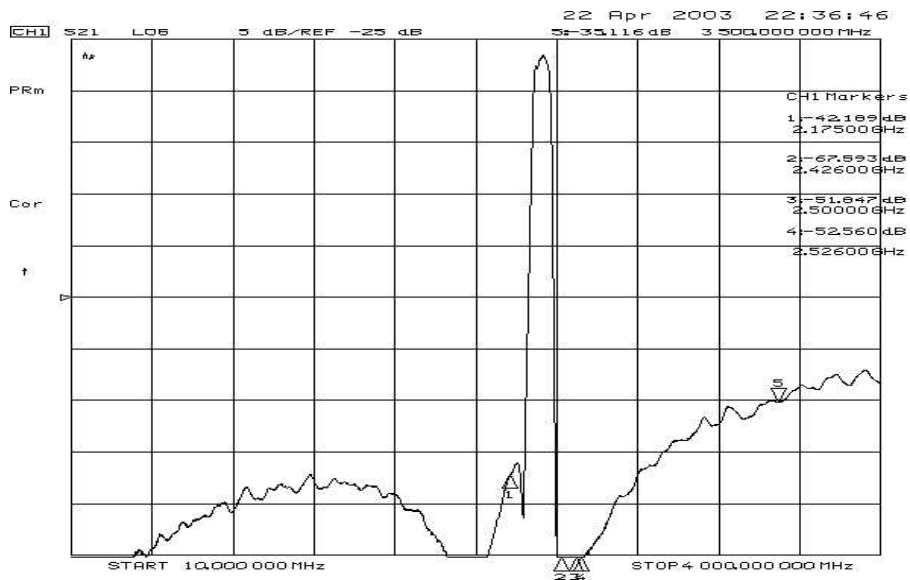
D. MEASUREMENT CIRCUIT:



E. PCB Footprint:

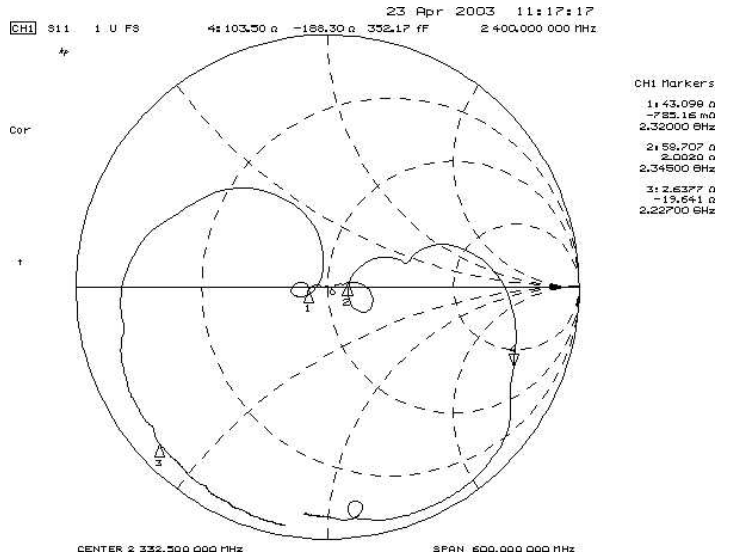
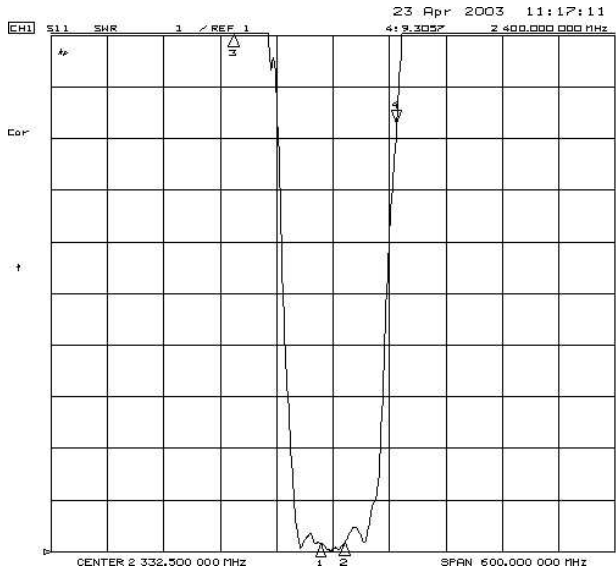


F. Frequency Characteristics :

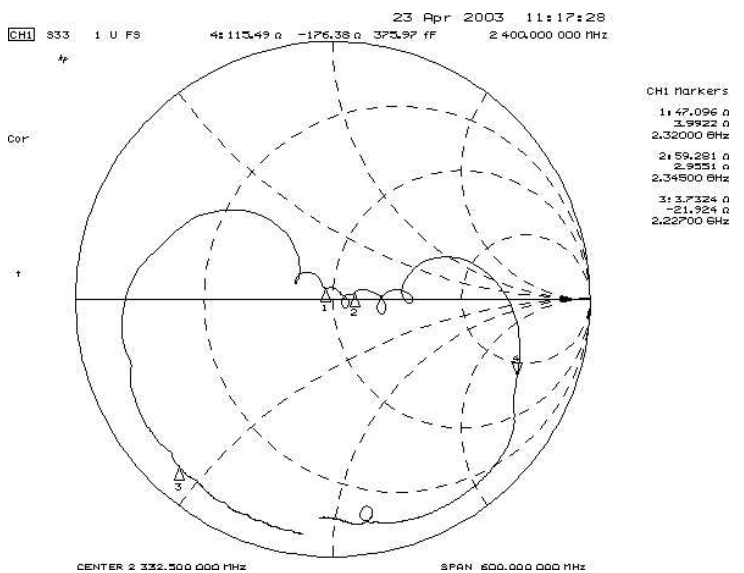
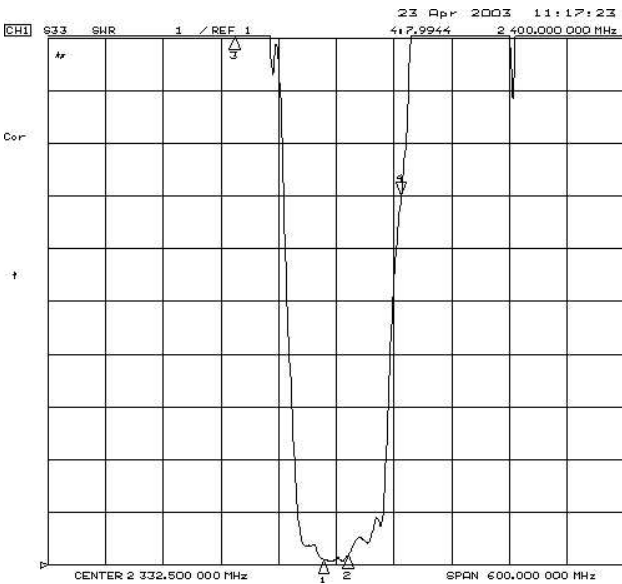


Reflection Functions :

S11

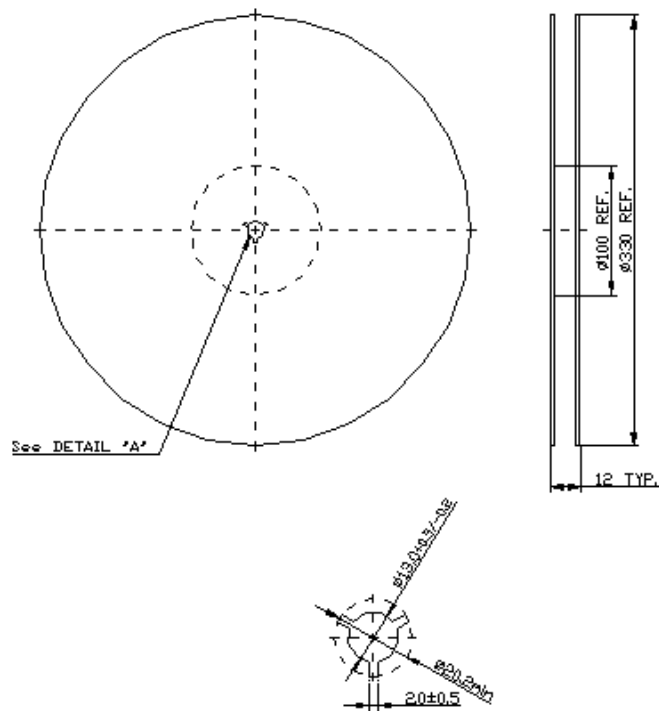


S22

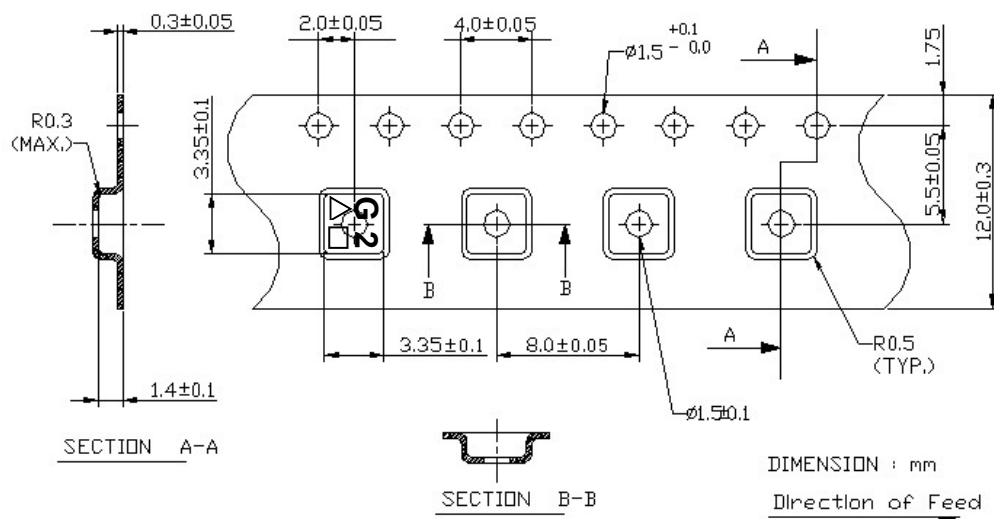


G. PACKING:

1. REEL DIMENSION



2.TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

1. Preheating shall be fixed at 150~180°C for 60~90 seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
3. Heating shall be fixed at 220°C for 50~80 seconds and at 245~260°C peak (min. 10sec).
4. Time : 2 times.

