



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: 7.0x1.5mm Tuning Fork 32.768kHz Crystal Unit

TST Part No.: TZ0601A

Customer Part No.: _____

Customer signature required
Company: _____
Division: _____
Approved by : _____
Date: _____

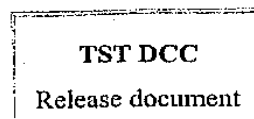
Checked by: _____ Quinton Lo *Quinton Lo.*

Approved by: _____ Robert Chang *Robert Chang*

Date: _____ 1/08/2010

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.

TAI-SAW TECHNOLOGY CO., LTD.



FR-71S03-02



REV. NO.: 3.0

Rev.	Rev. Page	Rev. Account	Date	Ref. No.	Reviser
1	N/A	Initial release	3/25/05'	N/A	Robert Chang
2	P3	Marking Change	9/29/09'	1.0	Quinton Lo
3	P3	RoHS Categorical Change	01/08/10'	2.0	Quinton Lo



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RoHS
Exemption
Approved

32.768kHz Crystal Unit

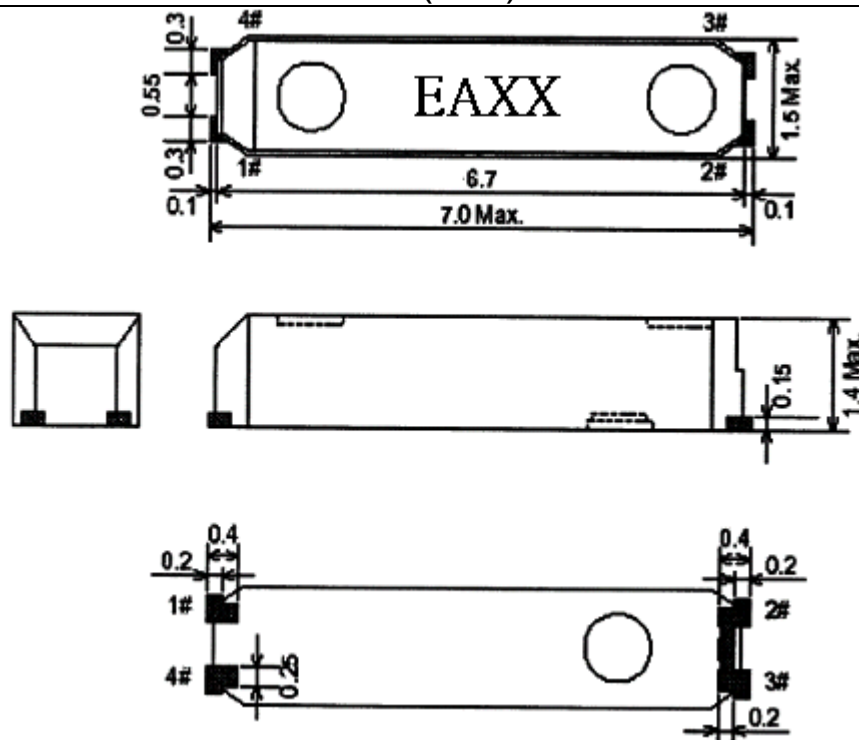
MODEL NO.: TZ0601A

REV. NO.: 3.0

Electrical Specifications:

TZ0601A	Specification
Nominal Frequency	32.7680 KHz
Operating Temperature Range	-40°C to +85°C
Temperature characteristics - Turnover temperature	25+/-5 °C
Temperature characteristics - Parabolic curvature constant	$(-3.5 \pm 1.0) \times 10^{-8} / ^\circ\text{C}^2$
Frequency Make Tolerance (FL)	+/-20 ppm @ 25°C +/- 2°C
Equivalent Series Resistance (ESR)	65K Ω max.
Drive Level	0.1uW (1.0uW max.)
Load Capacitance (CL)	12.5 pF
Aging	+/-3 ppm max.
Storage temperature	-55 to 125 °C

Mechanical Dimensions (mm):



Technical drawing of a connection between two beams. The top part shows a side elevation with dimensions: beam height 0.6, connection height 0.3, beam spacing 1.2, and total length 5.1. The bottom part shows a top-down view of the connection with labels 1#, 2#, 3#, and 4#.

1. REEL DIMENSION (Unit: mm): 13" Reel / 3kpcs/Reel

