



# TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,  
Taoyuan, 324, Taiwan, R.O.C.

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## Approval Sheet For Product Specification

Issued Date: 04/17/2006

Product Name: SMD7x5 6.780000 MHz Crystal Resonator

TST Part No.: TZ0202A

Customer Part No.: \_\_\_\_\_

|                     |
|---------------------|
| Company: _____      |
| Division: _____     |
| Approved by : _____ |
| Date: _____         |

Checked by: \_\_\_\_\_ Robert Chang

Approved by: \_\_\_\_\_ TF Yang

Date: \_\_\_\_\_ 04/17/2006



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## 6.780000 MHz Crystal Resonator

MODEL NO.: TZ0202A

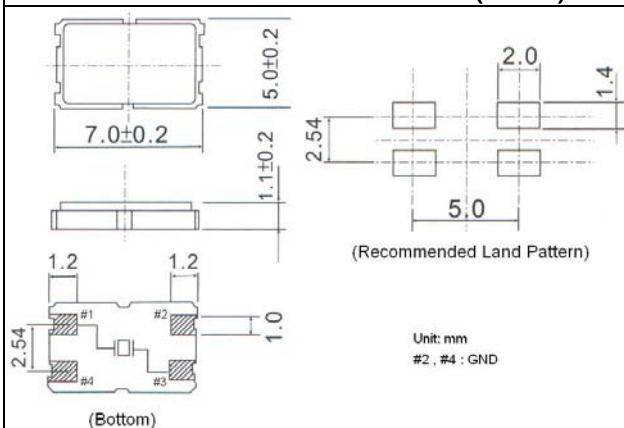
REV. NO.: 2.0

RoHS Compliant  
Lead free  
Lead-free soldering

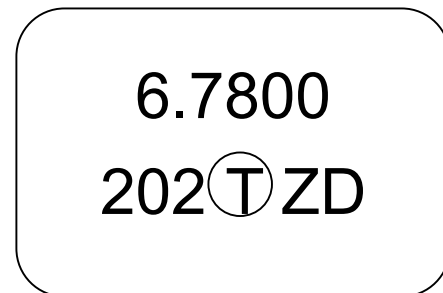
### Electrical Specifications:

|  | Specification            |
|--|--------------------------|
| Nominal Frequency                              | 6.780000 MHz             |
| Mode of Vibration                              | Fundamental              |
| Storage Temperature Range                      | -30°C to +85°C           |
| Operating Temperature Range                    | -20°C to +70°C           |
| Frequency Stability over Operating Temperature | +/-20 ppm                |
| Frequency Make Tolerance                       | +/-20 ppm @ 25°C +/- 3°C |
| Max. Value of the Series Resistor              | 120 Ω max.               |
| Max. Value of the Parallel Capacitor           | 7 pF                     |
| Drive Level                                    | 100 uW nominal           |
| Load Capacitance-CL                            | 20.0 pF                  |
| Aging  | +/-3.0 ppm/year @25°C    |
| Marking  | Laser marking            |
| Insulation Resistance                          | 500M Ω min at DC 100V    |

### Mechanical Dimensions (mm):



### Marking:



“Z” stand for product code  
and “D” for date code

