

1. Device Name

Crystal Resonator
2. Model Name

DST1610A
3. Nominal Frequency

32.768                  kHz
4. Device Summary

Mass

0.0024                  g max.

Pb-free

Yes

RoHS Compliant

AEC-Q200 Compliant

5. Electrical Characteristics

| Item                        | Limits      |      |       | unit               | Conditions            | Notes |
|-----------------------------|-------------|------|-------|--------------------|-----------------------|-------|
|                             | min.        | Typ. | max.  |                    |                       |       |
| Overtone Order              | Fundamental |      |       |                    |                       |       |
| Load Capacitance            | -           | 9    | -     | pF                 |                       |       |
| Frequency Tolerance         | -20         | -    | 20    | ppm                | T <sub>A</sub> = +25℃ |       |
| Drive Level                 | -           | 0.1  | 0.5   | uW                 |                       |       |
| Series Resistance           | -           | -    | 80    | kΩ                 |                       |       |
| Turnover Temperature        | 20          | 25   | 30    | ℃                  |                       |       |
| Parabolic Coefficient       | -           | -    | -0.04 | ppm/℃ <sup>2</sup> |                       |       |
| Operating Temperature Range | -40         | -    | 85    | ℃                  |                       |       |
| Storage Temperature Range   | -40         | -    | 125   | ℃                  |                       |       |
| Shunt Capacitance(C0)       | -           | 1.3  | -     | pF                 |                       |       |
| Insulation Resistance       | 500         | -    | -     | MΩ                 |                       |       |

6. DIMENSIONS AND MARKING

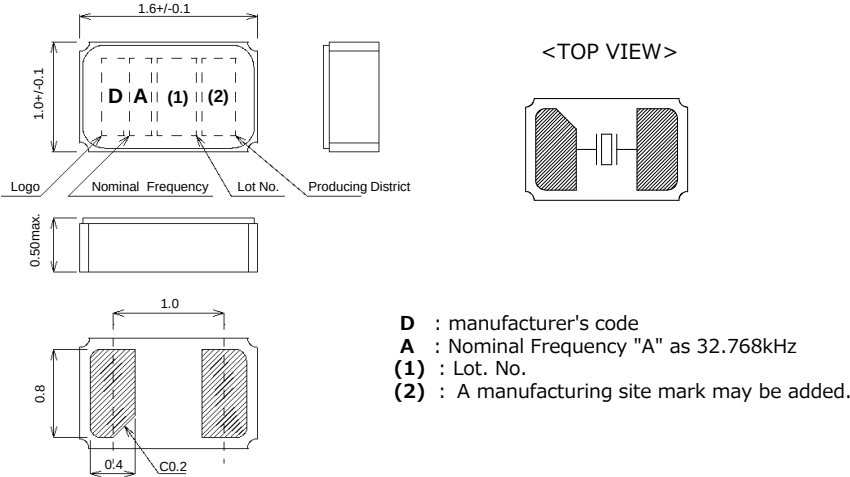


Fig.-1

|                                      |                              |      |                   |
|--------------------------------------|------------------------------|------|-------------------|
| TITLE<br>DST1610A TYPE SPECIFICATION | REMARK<br>P2025-3028         |      |                   |
| DATE<br><br>2025/11/25               | SPEC. No.<br><br>7BG03276AFZ | REV. | PAGE<br><br>1 / 1 |