

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                             | $T_A = +25^{\circ}\text{C}$ |       |
| Drive Level                        | -           | 0.1  | 0.5   | $\mu\text{W}$                   |                             |       |
| Series Resistance                  | -           | -    | 50    | $\text{k}\Omega$                |                             |       |
| Turnover Temperature               | 20          | 25   | 30    | $^{\circ}\text{C}$              |                             |       |
| Parabolic Coefficient              | -           | -    | -0.04 | $\text{ppm}/^{\circ}\text{C}^2$ |                             |       |
| Operating Temperature Range        | -40         | -    | 85    | $^{\circ}\text{C}$              |                             |       |
| Storage Temperature Range          | -40         | -    | 125   | $^{\circ}\text{C}$              |                             |       |
| Shunt Capacitance(C0)              | -           | 1.6  | -     | pF                              |                             |       |
| Insulation Resistance              | 500         | -    | -     | $\text{M}\Omega$                |                             |       |
| Aging(ref. $+25^{\circ}\text{C}$ ) | -5          | -    | 5     | ppm                             | 1 year                      |       |

#### 6. DIMENSIONS AND MARKING

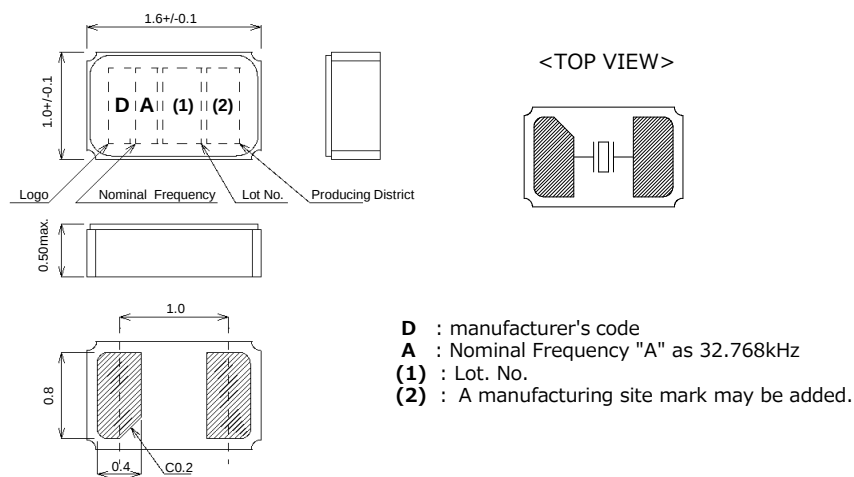


Fig.-1

|                                      |                              |      |                   |
|--------------------------------------|------------------------------|------|-------------------|
| TITLE<br>DST1610A TYPE SPECIFICATION | REMARK<br>P2025-2149         |      |                   |
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