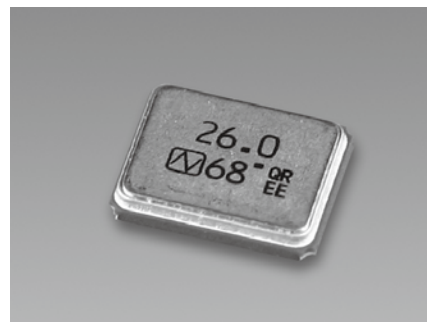


NX3225SA For OA / AV Mobile Communications/ Short-range Wireless

■ Features

Ideal for such as bluetooth, Wifi, smartphone and tablet pc.

- Compact and thin. (3.2 × 2.5 × 0.55 mm typ.)
- Excellent environmental characteristics, including heat and shock resistance.
- Lead-free. Meets the requirements for re-flow profiling using lead-free solder.



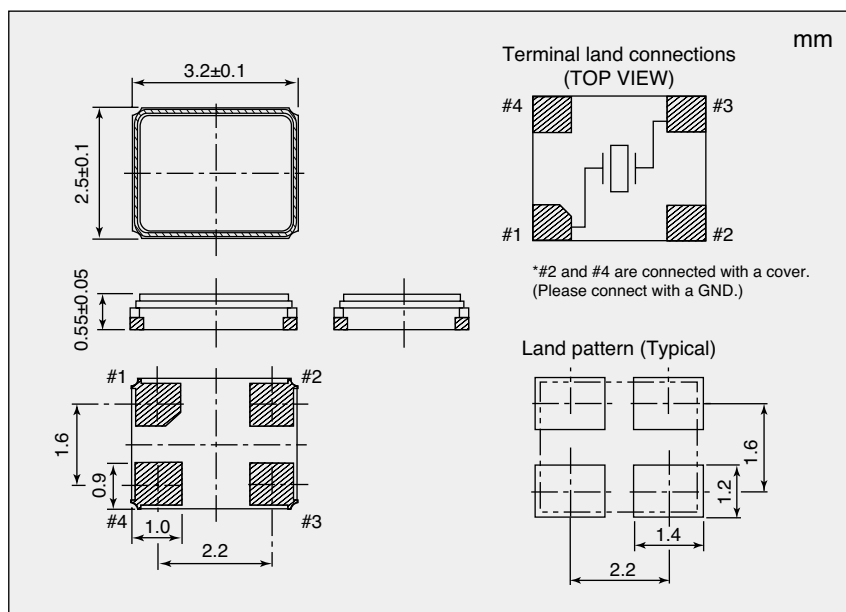
Pb
Free

RoHS Compliant
Directive 2011/65/EU

■ Specifications

| Item | Model | NX3225SA | | |
|---|-------|------------------------|------------------------|------------------------|
| Nominal Frequency | | 12 to 64 MHz | 16 to 54 MHz | 40 to 150 MHz |
| Overtone Order | | Fundamental | Fundamental | 3rd overtone |
| Frequency Tolerance (25 ±3 °C) | | ±15 × 10 ⁻⁶ | ±10 × 10 ⁻⁶ | ±20 × 10 ⁻⁶ |
| Frequency versus Temperature Characteristics (with reference to +25 °C) | | ±25 × 10 ⁻⁶ | ±10 × 10 ⁻⁶ | ±25 × 10 ⁻⁶ |
| Operating Temperature Range | | -40 to +85 °C | -20 to +75 °C | -40 to +85 °C |
| Storage Temperature Range | | -40 to +85 °C | | |
| Equivalent Series Resistance | | Refer to *1 | Refer to *2 | Refer to *3 |
| Level of Drive | | 10 μW (Max. 200 μW) | | |
| Load Capacitance | | 8 pF | 10 pF | Series resonance |
| Specifications Number | | STD-CSR-6 | STD-CSQ-1 | STD-CSR-7 |

■ Dimensions



*1 Equivalent Series Resistance

| Overtone Order | Nominal frequency (MHz) | Equivalent Series Resistance max. [Ω] |
|----------------|-------------------------|---------------------------------------|
| Fundamental | 12 to 13 | 100 |
| | 13 to 20 | 80 |
| | 20 to 64 | 50 |

*2 Equivalent Series Resistance

| Overtone Order | Nominal frequency (MHz) | Equivalent Series Resistance max. [Ω] |
|----------------|-------------------------|---------------------------------------|
| Fundamental | 16 to 20 | 80 |
| | 20 to 54 | 50 |

*3 Equivalent Series Resistance

| Overtone Order | Nominal frequency (MHz) | Equivalent Series Resistance max. [Ω] |
|----------------|-------------------------|---------------------------------------|
| 3rd overtone | 40 to 100 | 140 |
| | 100 to 150 | 100 |

Please specify the model name, frequency, and specification number when you order products.
For further questions regarding specifications, please feel free to contact us.