



**THE DATASHEET OF
NX3225SA-20.000M-STD-CRS-2**



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

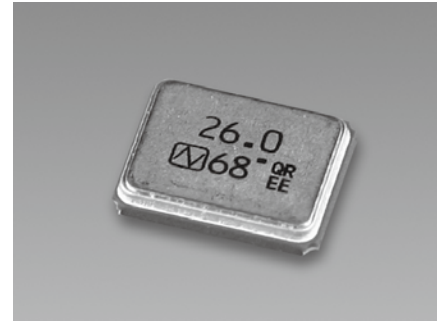
■ Features

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
Directive (EU) 2015/863



■ Specifications

| Item | Model | NX3225SA | |
|---|-------|------------------------|--|
| | | Standard | Optional |
| Standard | | Standard | Optional |
| Nominal Frequency (MHz) | | 12 ≤ F ≤ 64 | 12 ≤ F ≤ 64 |
| Overtone Order | | Fundamental | Fundamental |
| Frequency Tolerance (25 ±3 °C) | | ±15 × 10 ⁻⁶ | ±10 × 10 ⁻⁶ |
| Frequency versus Temperature Characteristics (with reference to +25 °C) | | ±25 × 10 ⁻⁶ | ±25 × 10 ⁻⁶ (Temp extended case, *1) |
| Operating Temperature Range (°C) | | -40 to +85 | -40 to +85 *1 |
| Storage Temperature Range | | -40 to +85 | -40 to +85 |
| Equivalent Series Resistance | | Refer to *2 | Refer to *1 |
| Level of Drive (µW) | | 10 (Max. 200) | 10 (Max. 200) |
| Load Capacitance (pF) | | 8 | 6 to 32 |
| Frequency Aging (+25°C) | | --- | Max. ±3 × 10 ⁻⁶ / year *1 |
| Specifications Number | | STD-CQR-1 | Refer to *3 |

Please specify the model name, frequency, and specification number when you order products.

For further questions regarding specifications, please feel free to contact us.

*1 If you have any other requests, NDK will study it.

*3 Ordering information: Overtone Order Fundamental / 3rd Overtone, the Operating Temperature Range, Frequency versus Temperature Characteristics, Frequency Tolerance, and Load Capacitance.

Ex. Model, Frequency (24.000000MHz 6digits), S1: Fundamental or S3 : 3rd overtone

– Operating Temperature Range (-40 to +85°C) – Frequency versus Temperature Characteristics (±25 × 10⁻⁶)

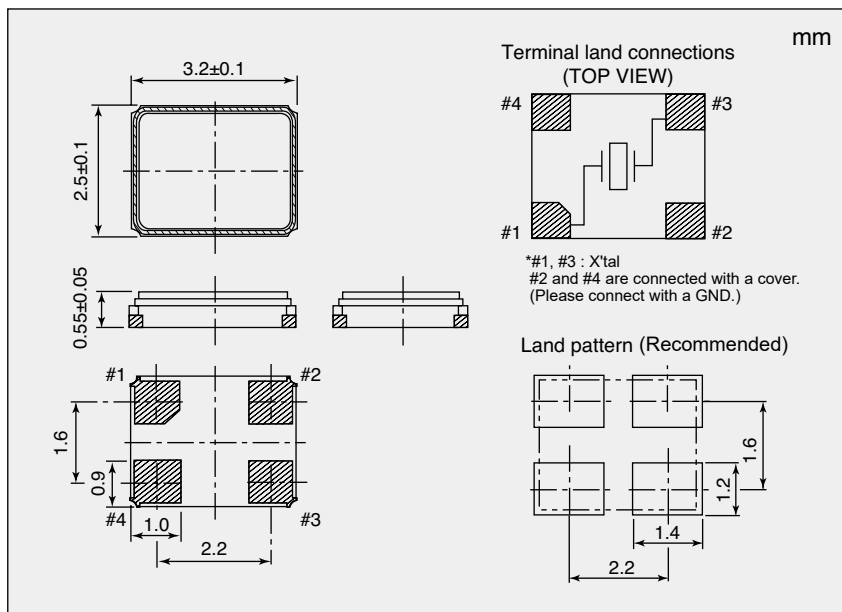
– Frequency Tolerance (±10 × 10⁻⁶) – Load Capacitance (8pF)

NX3225SA

24.000000MHz

S1-4085-25-10-8

■ Dimensions



Equivalent Series Resistance

| Overtone Order | Nominal Frequency (MHz) | Equivalent Series Resistance Max. (Ω) |
|----------------|-------------------------|---------------------------------------|
| *2 Fundamental | 12 ≤ F < 13 | 100 |
| | 13 ≤ F < 20 | 80 |
| | 20 ≤ F ≤ 64 | 50 |

If you have any other requests, NDK will study it.

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

-  [View NX3225SA-20.000M-STD-CRS-2 on WIN SOURCE](#)
-  [NDK Information](#)

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