



**THE DATASHEET OF  
NX3225SA-12MHZ-STD-CSR-6**



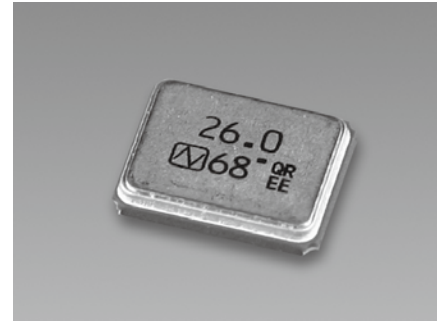
## NX3225SA For OA / AV Mobile Communications/ Short-range Wireless

### 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 <sup>-6</sup> | ±10 × 10 <sup>-6</sup>                             |
| Frequency versus Temperature Characteristics (with reference to +25 °C) |       | ±25 × 10 <sup>-6</sup> | ±25 × 10 <sup>-6</sup><br>(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 <sup>-6</sup> / 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<sup>-6</sup>)

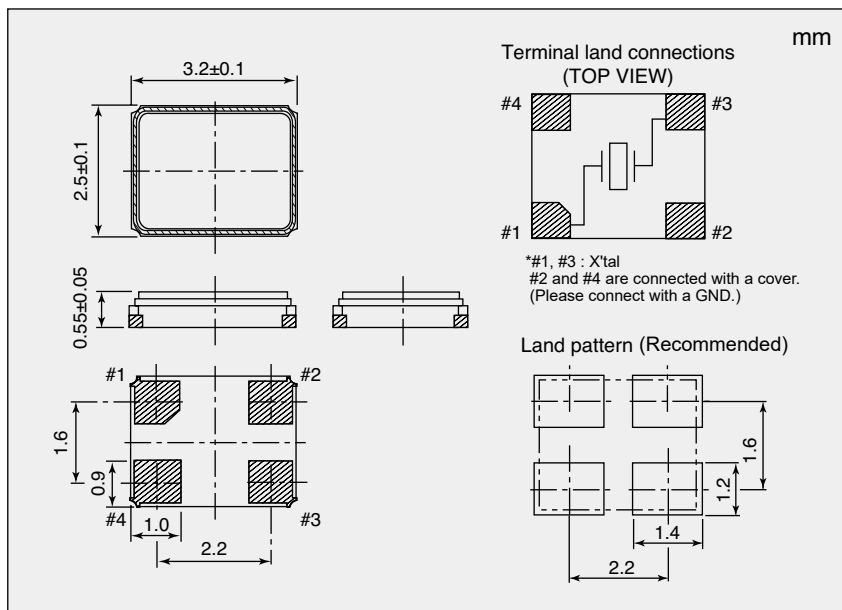
– Frequency Tolerance (±10 × 10<sup>-6</sup>) – Load Capacitance (8pF)

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-12MHZ-STD-CSR-6 on WIN SOURCE](#)
-  [NDK Information](#)

## Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
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-  Cost Control Management
-  Shortage Management
-  Alternative Solution
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