

## NX8045GB

For OA / AV

### ■ Features

A de facto standard small surface-mount type crystal unit, ideal for OA (office automation) and AV (audiovisual) applications.

Compatible with low frequencies starting from 4MHz. (8.0 × 4.5 × 1.8mm typ.)

- Excellent electrical performance, ideal for OA and AV applications.
- Excellent environmental performance, including heat and shock resistance.
- Lead-free. Meets the requirements for re-flow profiling using lead-free solder.



**RoHS Compliant**  
Directive 2002/95/EC

### ■ Specifications

| Item                                                  | Model | NX8045GB               |
|-------------------------------------------------------|-------|------------------------|
| Frequency Range                                       |       | 4 to 48MHz             |
| Overtone Order                                        |       | Fundamental            |
| Frequency Tolerance (25 ±3°C)                         |       | ±20 × 10 <sup>-6</sup> |
| Temperature Characteristics (with reference to +25°C) |       | ±30 × 10 <sup>-6</sup> |
| Operating Temperature Range                           |       | -10 to +70°C           |
| Equivalent Series Resistance                          |       | Refer to *1            |
| Drive Level                                           |       | 50μW(Max:500μW)        |
| Load Capacitance                                      |       | 8pF                    |

The above specifications are standard for this NDK product.

Custom-made specifications such as load capacitance and temperature characteristics are also available.

Please contact NDK sales with your enquiries.

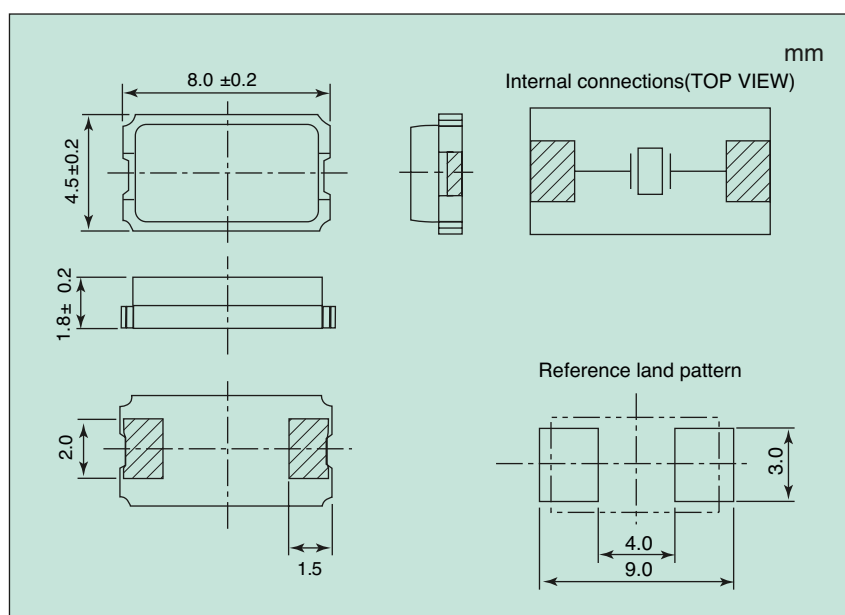
### ■ How to Specify an Order

When ordering our products, specify them with an "Ordering Code" that consists of the following :

Model name - Frequency (Max : 9 digits) M - Number for specifying an order Example NX8045GB-13.560M-STD-CSF-4

If you have any queries concerning our standard frequencies and numbers for specifying orders, please contact our sales representatives or visit our homepage (<http://www.ndk.com/>).

### ■ Dimensions



\*1 Equivalent Series Resistance

| Frequency (MHz)<br>(Range) | Equivalent Series<br>Resistance max.[Ω] |
|----------------------------|-----------------------------------------|
| 4 to 5                     | 300                                     |
| 5 to 8                     | 250                                     |
| 8 to 9.5                   | 200                                     |
| 9.5 to 10                  | 120                                     |
| 10 to 12                   | 100                                     |
| 12 to 13                   | 80                                      |
| 13 to 48                   | 50                                      |