

## Specification of Quartz Crystal Units

|   |                            |                              |
|---|----------------------------|------------------------------|
| 1 | NDK Part Number            | NX5032GA-8MHz-EXS00A-CG07039 |
| 2 | Chipset Maker              | ---                          |
| 3 | Application                | Clock Generator              |
| 4 | Chipset Name               | ---                          |
| 5 | NDK Specification Number   | EXS00A-CG07039               |
| 6 | Type                       | NX5032GA                     |
| 7 | Electrical Characteristics |                              |

|    | Parameters                                       | SYM.             | Electrical Spec. |     |                      |                      | Notes                |
|----|--------------------------------------------------|------------------|------------------|-----|----------------------|----------------------|----------------------|
|    |                                                  |                  | min              | typ | max                  | Units                |                      |
| 1  | Nominal Frequency (f <sub>nom</sub> )            | f <sub>nom</sub> | 8.000            |     |                      | MHz                  |                      |
| 2  | Overtone order                                   | -                | Fundamental      |     |                      | -                    |                      |
| 3  | Frequency tolerance                              | -                | -20              | -   | +20                  | ppm                  | at +25°C             |
| 4  | Frequency versus temperature characteristics *1. | -                | -30              | -   | +30                  | ppm                  | at -40 to +85°C      |
| 5  | Equivalent Series Resistance                     | R <sub>r</sub>   | -                | -   | 300                  | Ω                    | PI-Network Series    |
| 6  | Load capacitance                                 | CL               | -                | 18  | -                    | pF                   | PI-Network           |
| 7  | Level of drive                                   | -                | -                | 50  | 500                  | μW                   |                      |
| 8  | Insulation resistance                            | -                | 500              | -   | -                    | MΩ                   | *2.                  |
| 9  | Operating temperature range                      | T <sub>opr</sub> | -40              | -   | +85                  | °C                   |                      |
| 10 | Storage temperature range                        | T <sub>str</sub> | -40              | -   | +85                  | °C                   |                      |
| 11 | Air-tightness                                    | -                | -                | -   | 3.0×10 <sup>-9</sup> | Pa m <sup>3</sup> /s | Helium leak detector |

\*1. The reference temperature shall be +25°C

\*2. When terminal to terminal and terminal to cover were applied at DC100V ±15V.

### Dimension

