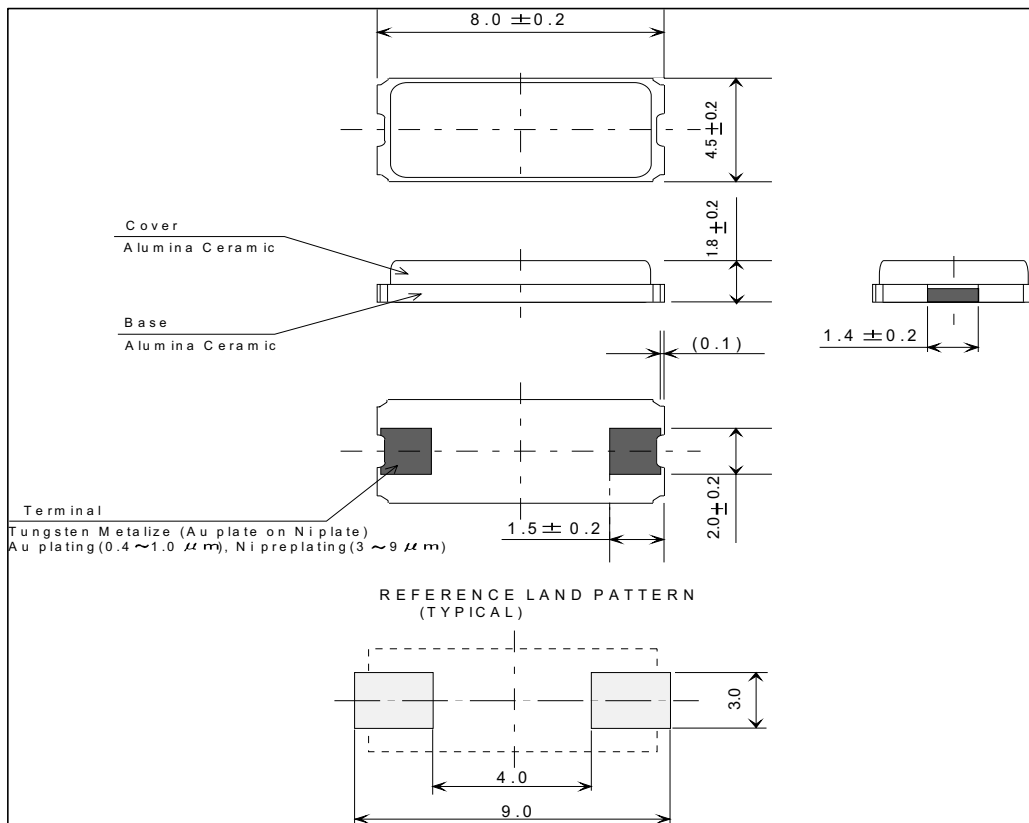


## Specification of Crystal Unit

|       |                                      |  |
|-------|--------------------------------------|--|
| 1     | NDK PART NUMBER                      | NX8045GB<br>(LN-CF-001)  |
| 2     | Type                                 | NX8045GB   |
| 3     | Electrical characteristics           |  |
| 3.1   | Nominal frequency(F0)                | * ATTACHED SHEETS 2  |
| 3.2   | Overtone order                       | Fundamental  |
| 3.3   | Adjustment tolerance                 | $\pm 50 \times 10^{-6}$ max. (+25 °C)  |
| 3.4   | Tolerance over the temperature range | $\pm 50 \times 10^{-6}$ max. (-10~+70 °C) The reference temperature shall be +25 °C. |
| 3.5   | Equivalent resistance (R1)           | *ATTACHED SHEETS 2   |
| 3.6   | Shunt Capacitance (C0)               | NA   |
| 3.7   | Maximum Drive Level                  | 500 $\mu$ W max.   |
| 4     | Measurement circuit                  |  |
| 4.1   | Frequency measurement                |  |
| 4.1.1 | Measuring instrument                 | $\pi$ circuit  |
| 4.1.2 | Load capacitance(CL)                 | 8pF  |
| 4.1.3 | Level of drive                       | 50 $\mu$ W   |
| 4.1.4 | Equivalent resistance measurement    |  |
| 4.1.5 | Measuring instrument                 | $\pi$ circuit  |
| 4.1.6 | Load capacitance(CL)                 | Series   |
| 4.1.7 | Level of drive                       | 50 $\mu$ W   |
| 7.2.3 | Level of drive                       |  |
| 8     | Dimension                            |  |



| Frequency(MHz) | CI(ESR) |
|----------------|---------|
| 8              | 200 ohm |
| 10             | 100 ohm |
| 12             | 80 ohm  |
| 12.288         | 80 ohm  |
| 13.56          | 50 ohm  |
| 14.31818       | 50 ohm  |
| 16.9344        | 50 ohm  |
| 18.432         | 50 ohm  |
| 20             | 50 ohm  |
| 24             | 50 ohm  |
| 25             | 50 ohm  |
| 27             | 50 ohm  |
| 30             | 50 ohm  |
| 32             | 50 ohm  |
| 40             | 50 ohm  |

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## NDK:

[NX8045GB-8.000000MHZ-LN-CF-001](#) [NX8045GB-20.000000MHZ-LN-CF-001](#) [NX8045GB-12.000000MHZ-LN-CF-001](#) [NX8045GB-40.000000MHZ-LN-CF-001](#) [NX8045GB-24.000000MHZ-LN-CF-001](#) [NX8045GB-12.288MHZ-LN-CF-001](#) [NX8045GB-14.318180MHZ-LN-CF-001](#) [NX8045GB-18.432000MHZ-LN-CF-001](#) [NX8045GB-10.000000MHZ-LN-CF-001](#) [NX8045GB-25.000000MHZ-LN-CF-001](#) [NX8045GB-30.000000MHZ-LN-CF-001](#) [NX8045GB-16.934400MHZ-LN-CF-001](#)