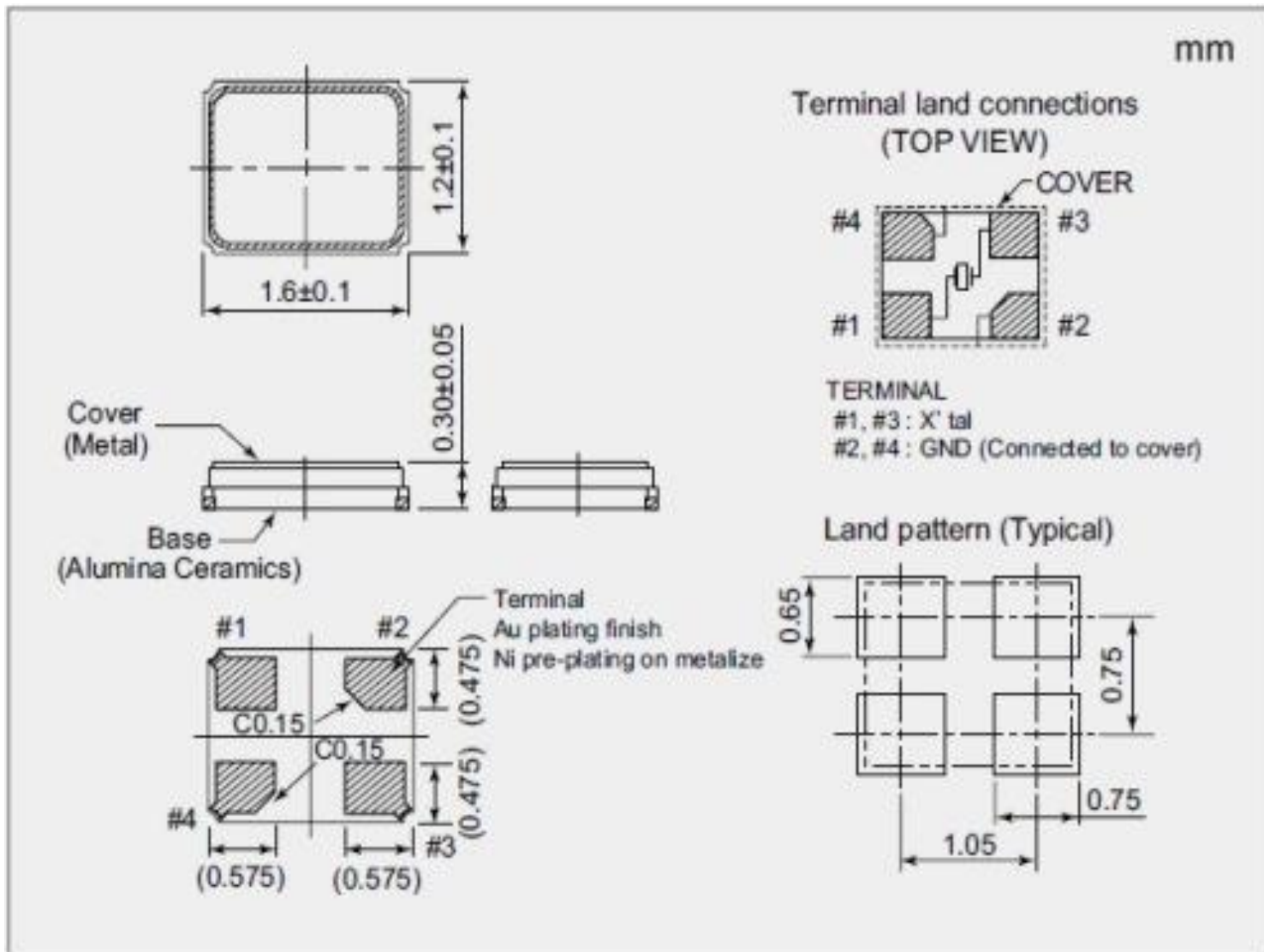


# Specification of Quartz Crystal Units

- 1 NDK Part Number NX1612SA-32.000MHZ-CHP-CIS-3
- 2 Chipset Maker
- 3 Application
- 4 Chipset Name
- 5 NDK Specification Number CHP-CIS-3
- 6 Type NX1612SA
- 7 Electrical Characteristics

|   | Parameters                                   | SYM.             | Electrical Spec. |     |     |       | Notes                  |
|---|--|------------------|------------------|-----|-----|-------|------------------------|
|   |  |                  | min              | typ | max | Units |                        |
| 1 | Nominal Frequency (f <sub>nom</sub> )        | f <sub>nom</sub> | 32.000           |     |     | MHz   |                        |
| 2 | Overtone order                               | -                | Fundamental      |     |     | -     |                        |
| 3 | Frequency tolerance                          | -                | -10              | -   | +10 | ppm   | at +25°C               |
| 4 | Frequency versus temperature characteristics | -                | -20              | -   | +20 | ppm   | at -40 to +85 °C       |
| 5 | Equivalent Series Resistance                 | R <sub>r</sub>   | -                | -   | 100 | Ω     | IECπ -network / Series |
| 6 | Load Capacitance                             | C <sub>L</sub>   |                  | 6   | -   | pF    | IECπ -network          |
| 7 | Level of drive                               | D <sub>L</sub>   | -                | 10  | 200 | μ W   |                        |
| 8 | Operating temperature range                  | T <sub>opr</sub> | -40              | -   | +85 | °C    |                        |
| 9 | Storage temperature range                    | T <sub>str</sub> | -40              | -   | +85 | °C    |                        |

## Dimension



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