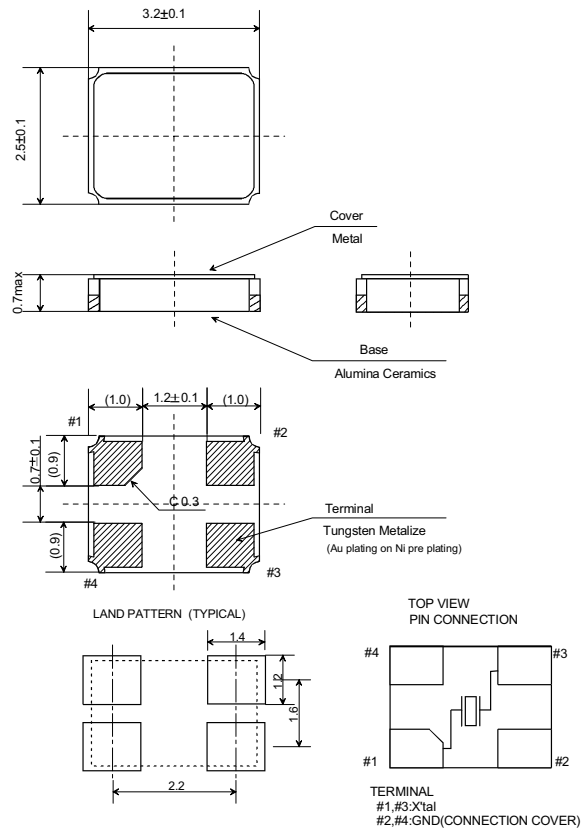


Specification of Crystal Unit

| | | |
|-------|--------------------------------------|--|
| 1 | NDK PART NUMBER | NX3225SA-20.000000MHz-B2 |
| 2 | CHIPSET MAKER | CAMBRIDGE SILICON RADIO |
| 3 | APPLICATION | BLUETOOTH |
| 4 | CHIPSET NAME | CORONA |
| 5 | Type | NX3225SA |
| 6 | Electrical characteristics | |
| 6.1 | Nominal frequency(F0) | 20.000MHz |
| 6.2 | Overtone order | Fundamental |
| 6.3 | Adjustment tolerance | $\pm 10 \times 10^{-6}$ max. (+25 °C) |
| 6.4 | Tolerance over the temperature range | $\pm 15 \times 10^{-6}$ max. (-30~+85 °C) The reference temperature shall be +25 °C. |
| 6.5 | Equivalent resistance (R1) | 80Ω max. |
| 6.6 | Shunt Capacitance (C0) | |
| 6.7 | Maximum Drive Level | |
| 7 | Measurement circuit | |
| 7.2 | Frequency measurement | |
| 7.1.1 | Measuring instrument | π circuit |
| 7.1.2 | Load capacitance(CL) | 7.2pF |
| 7.1.3 | Level of drive | 10μW |
| 7.2 | Equivalent resistance measurement | |
| 7.2.1 | Measuring instrument | π circuit |
| 7.2.2 | Load capacitance(CL) | Series |
| 7.2.3 | Level of drive | 10μW |
| 8 | Dimension | |



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