

Specification of Crystal Unit

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| 1 | NDK PART NUMBER | NX2520SA-40.000000MHz-W3 |
| 2 | CHIPSET MAKER | NXP (PHILIPS) |
| 3 | APPLICATION | Wireless LAN |
| 4 | CHIPSET NAME | BGW211 |
| 5 | Type | NX2520SA |
| 6 | Electrical characteristics | |
| 6.1 | Nominal frequency(F0) | 40.000MHz |
| 6.2 | Overtone order | Fundamental |
| 6.3 | Adjustment tolerance | $\pm 10 \times 10^{-6}$ max. (+25 °C) |
| 6.4 | Tolerance over the temperature range | $\pm 10 \times 10^{-6}$ max. (-20~+70 °C) The reference temperature shall be +25 °C. |
| 6.5 | Equivalent resistance (R1) | 50Ω max. |
| 6.6 | Shunt Capacitance (C0) | 7.0 pF max. |
| 6.7 | Maximum Drive Level | 100μW max. |

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| 7 | Measurement circuit | |
| 7.2 | Frequency measurement | |
| 7.1.1 | Measuring instrument | π circuit |
| 7.1.2 | Load capacitance(CL) | 10pF |
| 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

