**NDK** Crystal Bridge to the Future

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| 1 | NDK PART NUMBER | NT3225SA-52MHz-S1 |
| 2 | CHIPSET MAKER | Free Scale |
| 3 | APPLICATION | GSM |
| 4 | CHIPSET NAME | Python |
| 5 | RATING | |
| 5.1 | OUTPUT FREQUENCY | 52MHz |
| 5.2 | SUPPLY VOLTAGE | +2.4 +/- 0.1VDC |
| 5.3 | CURRENT CONSUMPTION | 2.3mA MAX. |
| 5.4 | OUTPUT VOLTAGE | 0.8Vp-p min.Clipped sine wave(DC-Coupling) |
| 5.5 | OPERATING TEMP. RANGE | -30℃ TO +85℃ |
| 5.6 | STORAGE TEMP. RANGE | -40℃ TO +85℃ |
| 5.7 | LOAD | (10kΩ//10pF) |
| 6 | ELECTRICAL SPECIFICATION | |
| 6.1 | FREQUENCY STABILITY | |
| 6.1.1 | TEMP. VARIATION OF（-30℃ TO +85℃) | ±2.5 ppm MAX. (BASED ON FREQUENCY AT +25℃±2℃) |
| 6.1.2 | SUPPLY VARIATION OF（+2.4V±0.1V) | ±0.1ppm MAX. |
| 6.1.3 | LOAD VARIATION OF （10KΩ//10PF)±10% | ±0.2 ppm MAX. |
| 6.1.4 | AGING | ±2.0 ppm MAX/year |
| 6.1.5 | FREQUENCY TOLERANCE OF（+25℃±2℃) | ±1.5ppm MAX. (at VC=2.4V, +25deg +/-2deg, before reflow) |
| 6.1.6 | DUTY CYCLE | 46.5 TO 53.5% |
| 6.1.7 | NDK SPEC | END3673A |
| 7 | DIMENSION | |