

|       |                                        |                                                   |
|-------|----------------------------------------|---------------------------------------------------|
| 1     | NDK Part Number                        | NX3225SA-114.285MHZ-EXS00A-CS06528                |
| 2     | Chipset Maker                          | SILICON LABORATORIES                              |
| 3     | Application                            | SONET/ SDH Equipment                              |
| 4     | Chipset Name                           | Si5326B / Si5317D                                 |
| 5     | NDK Specification Number               | EXS00A-CS06528                                    |
| 6     | Type                                   | NX3225SA                                          |
| 7     | Electrical Characteristics             |                                                   |
| 7.1   | Nominal Frequency ( $f_{nom}$ )        | 114.285 MHz                                       |
| 7.2   | Overtone order                         | 3rd overtone                                      |
| 7.3   | Adjustment tolerance                   | $\pm 20 \times 10^{-6}$ max.                      |
| 7.4   | Tolerance over the temperature range   | $\pm 20 \times 10^{-6}$ max. ( at -40 to +85 °C ) |
| 7.5   | Equivalent Series Resistance ( $R_r$ ) | 80 $\Omega$ max.                                  |
| 7.6   | Maximum Drive Level                    | 100 $\mu$ W max.                                  |
| 7.7   | Aging (at +25 °C)                      | $\pm 3 \times 10^{-6}$ max. / Year                |
| 8     | Measurement Circuit                    |                                                   |
| 8.1   | Frequency Measurement                  |                                                   |
| 8.1.1 | Measuring Instrument                   | IEC $\pi$ -Network                                |
| 8.1.2 | Load Capacitance ( $C_L$ )             | 18 pF                                             |
| 8.1.3 | Level of Drive                         | 100 $\mu$ W                                       |
| 8.2   | Equivalent Resistance Measurement      |                                                   |
| 8.2.1 | Measuring Instrument                   | IEC $\pi$ -Network                                |
| 8.2.2 | Load Capacitance ( $C_L$ )             | Series                                            |
| 8.2.3 | Level of Drive                         | 100 $\mu$ W                                       |
| 9     | Operating Temperature Range            | -40 to +85 °C                                     |
| 10    | Storage Temperature Range              | -40 to +125 °C                                    |

## 11 Dimension

(Unit: mm)

