Specification of Quartz Crystal Units



1 NDK Part Number NX3225SA-114.285MHZ-EXS00A-CS06528

2 Chipset Maker SILICON LABORATORIES
2 Application SONET/SDH Equipment

3 Application SONET/ SDH Equipment

Chipset Name
 NDK Specification Number
 Si5326B / Si5317D
 EXS00A-CS06528

6 Type NX3225SA

7 Electrical Characteristics

7.1 Nominal Frequency (f_{nom})
 7.2 Overtone order
 7.3 Adjustment tolerance
 114.285 MHz
 3rd overtone
 ±20 x 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 Ω max. 7.6 Maximum Drive Level 100 μ 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 π -Network

8.1.2 Load Capacitance (C_L) 18 pF 8.1.3 Level of Drive 100 μ W

8.2 Equivalent Resistance Measurement

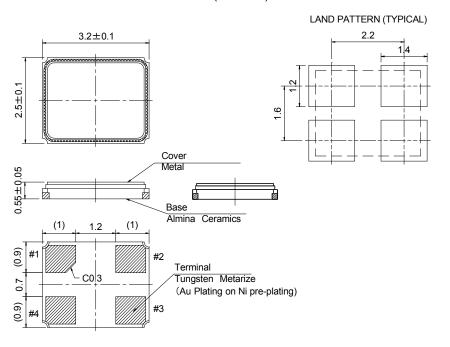
8.2.1 Measuring Instrument IEC π -Network

 $\begin{array}{ll} 8.2.2 & \text{Load Capacitance (C}_{L}) & \text{Series} \\ 8.2.3 & \text{Level of Drive} & 100 \ \mu\text{W} \end{array}$

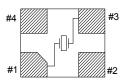
9 Operating Temperature Range -40 to +85 °C
 10 Storage Temperature Range -40 to +125 °C

11 Dimension

(Unit: mm)



[TOP VIEW]
TERMINAL LAND CONNECSIONS



#2,#4 : GND (CONNECTION COVER)