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|-------|---|---|
| 1 | NDK Part Number | See table 1 |
| 2 | NDK Specification Number | EXS00A-CS03326 |
| 3 | Type | NX3225SA |
| 4 | Electrical Characteristics | |
| 4.1 | Nominal Frequency (f_{nom}) | See table 1 |
| 4.2 | Overtone order | Fundamental |
| 4.3 | Frequency Tolerance | $\pm 15 \times 10^{-6}$ max. (+25 °C) |
| 4.4 | Frequency Versus
Temperature Characteristics | $\pm 50 \times 10^{-6}$ max. (-40 ~ +125 °C)
The reference temperature shall be +25 °C |
| 4.5 | Equivalent Series Resistance (R_r) | See table 1 |
| 4.6 | Shunt Capacitance (C_0) | NA |
| 4.7 | Maximum Drive Level | 200 μ W max. |
| 5 | Measurement Circuit | |
| 5.1 | Frequency Measurement | |
| 5.1.1 | Measuring Instrument | π -network |
| 5.1.2 | Load Capacitance (C_L) | 8 pF |
| 5.1.3 | Level of Drive | 10 μ W |
| 5.2 | Equivalent Resistance Measurement | |
| 5.2.1 | Measuring Instrument | π -network |
| 5.2.2 | Load Capacitance (C_L) | Series |
| 5.2.3 | Level of Drive | 10 μ W |
| 6 | Operable Temperature Range | -40 ~ +125 °C |
| 7 | Storage Temperature Range | -40 ~ +125 °C |
| 8 | Dimension | |

(Unit: mm)

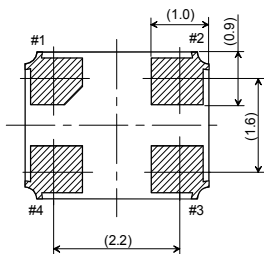
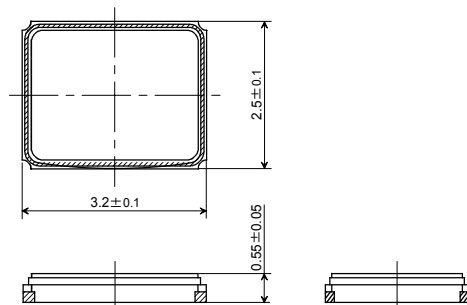
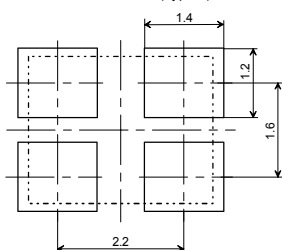


Table1

f_{nom} (MHz)	R_r (Ω) max.	NDK Part Number
12.000	120	NX3225SA-12.000M-EXS00A-CS03326
16.000	120	NX3225SA-16.000M-EXS00A-CS03326
20.000	100	NX3225SA-20.000M-EXS00A-CS03326
40.000	100	NX3225SA-40.000M-EXS00A-CS03326

Reference Land Pattern (Typical)



Top View
Terminal land connections

