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Specification of Crystal

1	NDK Part Number	See table 1
2	NDK Specification Number	LN-CD-1
3	Type	NX5032GA
4	Electrical Characteristics	
4.1	Nominal Frequency (f_{nom})	See table 1
4.2	Overtone order	Fundamental
4.3	Frequency Tolerance	$\pm 50 \times 10^{-6}$ max. (+25 °C)
4.4	Frequency Versus Temperature Characteristics	$\pm 50 \times 10^{-6}$ max. (-10 ~ +70 °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	500 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	50 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	50 μ W
6	Operable Temperature Range	-10 ~ +70 °C
7	Storage Temperature Range	-40 ~ +85 °C
8	Dimension	

(Unit: mm)

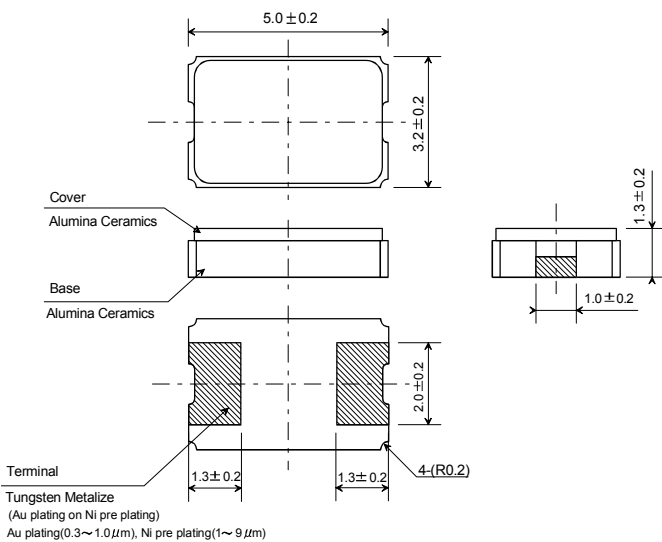
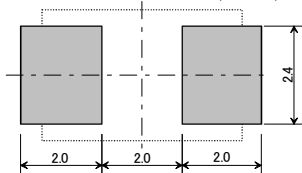


Table 1

f_{nom} (MHz)	R_r (Ω) max.	NDK Part Number
10.000	120	NX5032GA-10.000M-LN-CD-1
12.000	120	NX5032GA-12.000M-LN-CD-1
12.288	120	NX5032GA-12.288M-LN-CD-1
13.560	120	NX5032GA-13.560M-LN-CD-1
16.000	120	NX5032GA-16.000M-LN-CD-1
16.384	120	NX5032GA-16.384M-LN-CD-1
20.000	70	NX5032GA-20.000M-LN-CD-1
24.000	70	NX5032GA-24.000M-LN-CD-1
25.000	70	NX5032GA-25.000M-LN-CD-1
27.000	70	NX5032GA-27.000M-LN-CD-1
30.000	50	NX5032GA-30.000M-LN-CD-1
32.000	50	NX5032GA-32.000M-LN-CD-1
40.000	50	NX5032GA-40.000M-LN-CD-1
48.000	50	NX5032GA-48.000M-LN-CD-1

REFERENCE LAND PATTERN (TYPICAL)



Terminal Land Connection [Top View]

