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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 $\mu$ W max.
5	Measurement Circuit	
5.1	Frequency Measurement	
5.1.1	Measuring Instrument	$\pi$ -network
5.1.2	Load Capacitance ( $C_L$ )	8 pF
5.1.3	Level of Drive	50 $\mu$ W
5.2	Equivalent Resistance Measurement	
5.2.1	Measuring Instrument	$\pi$ -network
5.2.2	Load Capacitance ( $C_L$ )	Series
5.2.3	Level of Drive	50 $\mu$ W
6	Operable Temperature Range	-10 ~ +70 °C
7	Storage Temperature Range	-40 ~ +85 °C
8	Dimension	

(Unit: mm)

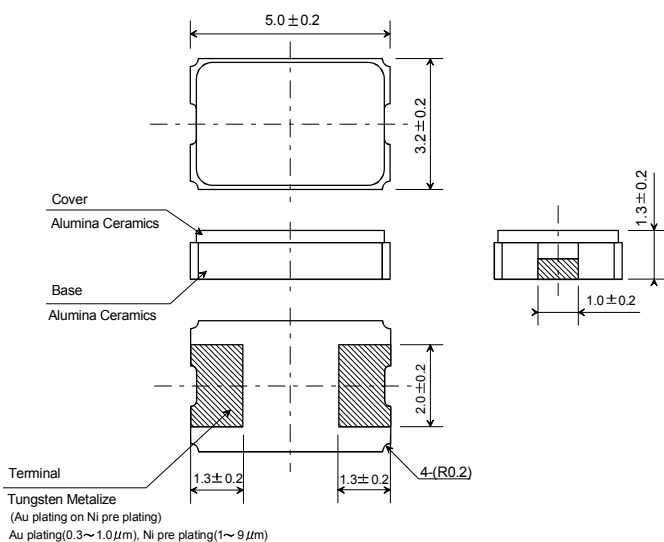
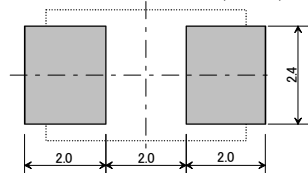


Table 1

$f_{nom}$ (MHz)	$R_r$ ( $\Omega$ ) 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 ]

