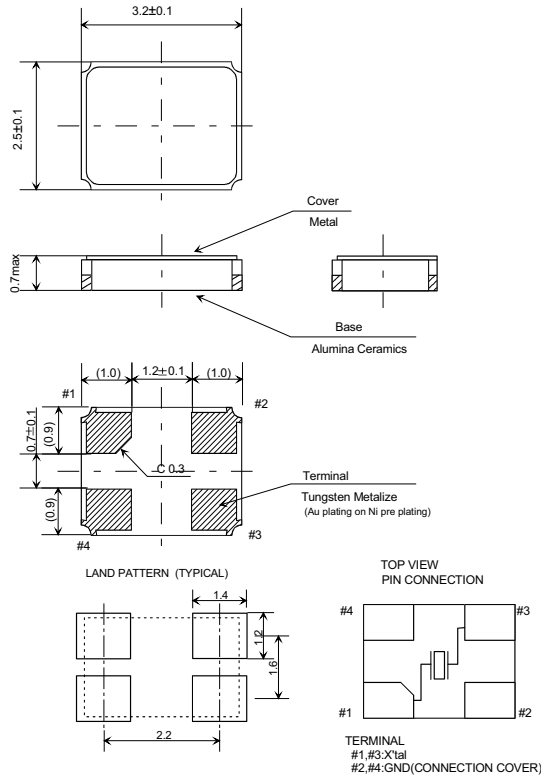


## Specification of Crystal Unit

1	NDK PART NUMBER	NX3225SA (STD-CSR-2)
5	Type	NX3225SA
6	Electrical characteristics	
6.1	Nominal frequency(F0)	12MHZ to 40MHZ
6.2	Overtone order	Fundamental
6.3	Adjustment tolerance	$\pm 50 \times 10^{-6}$ max. (+25 °C)
6.4	Tolerance over the temperature range	$\pm 150 \times 10^{-6}$ max. (-40~+125°C) The reference temperature shall be +25 °C.
6.5	Equivalent resistance (R1)	*ATTACHED SHEETS 4
6.6	Shunt Capacitance (C0)	NA
6.7	Motional Capacitance (C1)	200 $\mu$ W max.
7	Measurement circuit	
7.2	Frequency measurement	
7.1.1	Measuring instrument	$\pi$ circuit
7.1.2	Load capacitance(CL)	8 pF
7.1.3	Level of drive	10 $\mu$ W
7.2	Equivalent resistance measurement	
7.2.1	Measuring instrument	$\pi$ circuit
7.2.2	Load capacitance(CL)	Series
7.2.3	Level of drive	10 $\mu$ W
8	Dimension	



Frequency(MHz)	Cl(ESR)
12	120 ohm
16	80 ohm
20	70 ohm
40	50 ohm