Specification of Crystal Unit

1	NDK PART NUMBER	NX2520SA-40.000000MHz-W2
2	CHIPSET MAKER	STEPMIND
3	APPLICATION	WIFI-PHONE
4	CHIPSET NAME	NA
5	Type	NX2520SA

6　Electrical characteristics

6.1	Nominal frequency(F0)	40.000MHz
6.2	Overtone order	Fundamental
6.3	Adjustment tolerance	$\pm 10 \times 10^{-6}$ max. (+25 °C)
6.4	Tolerance over the temperature range	$\pm 10 \times 10^{-6}$ max. (-20~+70 °C) The reference temperature shall be +25 °C.
6.5	Equivalent resistance (R1)	50Ω max.
6.6	Shunt Capacitance (C0)	7.0 pF max.
6.7	Maximum Drive Level	100μW max.

7　Measurement circuit

7.2　Frequency measurement

7.1.1	Measuring instrument	π circuit
7.1.2	Load capacitance(CL)	10pF
7.1.3	Level of drive	10μW

7.2　Equivalent resistance measurement

7.2.1	Measuring instrument	π circuit
7.2.2	Load capacitance(CL)	Series
7.2.3	Level of drive	10μW

8　Dimension

2.5 ± 0.1
2.0 ± 0.1
0.65 Max

Cover
Metal
Base
Alumina Ceramics

(0.8)　(0.8)
#1　#2
(0.65)
C 0.3
Terminal
Tungsten Metalize
(Au plating on Ni pre plating)
(0.65)
#4　#3

LAND PATTERN (TYPICAL)

1.7
1.3
1.0
1.2

[TOP VIEW]
PIN CONNECTION

#4　#3
#1　#2

TERMINAL
#1,#3:X'tal
#2,#4:GND(CONNECTION COVER)