1	NDK Part Number	NX2520SD-24MHZ-EXS00A-CS06352
2	Chipset Maker	Please contact us.
3	Application	Suitable for application processor with wider temperature range.
4	Chipset Name	Please contact us.
5	NDK Specification Number	EXS00A-CS06352
6	Type	NX2520SD

7	Electrical Characteristics	
7.1	Nominal Frequency (f_{nom})	24.000 MHz
7.2	Overtone order	Fundamental
7.3	Adjustment tolerance	$\pm 15 \times 10^{-6}$ (at +25 °C)
7.4	Tolerance over the temperature range	$\pm 15 \times 10^{-6}$ (at -30 to +85 °C)
7.5	Equivalent Series Resistance (R_r)	50 Ω Max.
7.6	Maximum Drive Level	200 µW
7.7	Aging (at +25 °C)	$\pm 5 \times 10^{-6}$ / Year

8	Measurement Circuit	
8.1	Frequency Measurement	
8.1.1	Measuring Instrument	IEC π-Network
8.1.2	Load Capacitance (C_L)	12 pF
8.1.3	Level of Drive	10 µW
8.2	Equivalent Resistance Measurement	
8.2.1	Measuring Instrument	IEC π-Network
8.2.2	Load Capacitance (C_L)	Series
8.2.3	Level of Drive	10 µW

9	Operating Temperature Range	-30 to +85 °C
10	Storage Temperature Range	-40 to +85 °C

11   Dimension

(Unit: mm)

Land pattern (Typical)

[TOP VIEW]
TERMINAL LAND CONNECTIONS

Terminal #1 and #3 : Xtal
Terminal #2 and #4 : GND (Connection Cover)

Cover
Metal
BASE
Alumina Ceramics

Terminal
Tungsten Metalize
(Au plating on Ni plating)

C 0.3

Feb.2.2013
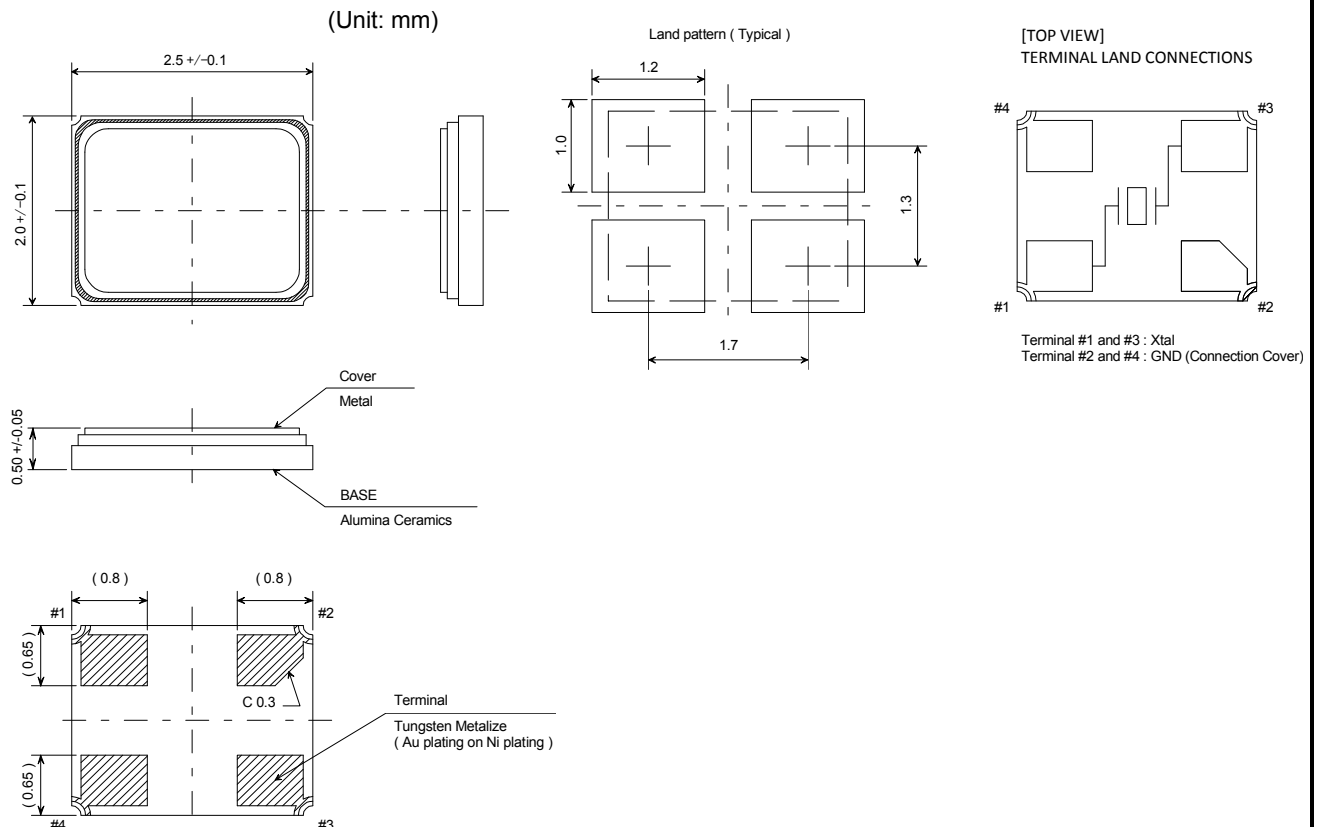
Mouser Electronics

Authorized Distributor

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[NDK](#):

[NX2520SD-24MHZ-EXS00A-CS06352](#) [CS06352-24M](#)