

# Specification of Quartz Crystal Units

- 1 NDK Part Number NX2520SA-24MHz-EXS00A-CS11339
- 2 Chipset Maker ---
- 3 Application Clock Generator
- 4 Chipset Name ---
- 5 NDK Specification Number EXS00A-CS11339
- 6 Type NX2520SA
- 7 Electrical Characteristics

	Parameters	SYM.	Electrical Spec.				Notes
			min	typ	max	Units	
1	Nominal Frequency (f <sub>nom</sub> )	f <sub>nom</sub>	24.000			MHz	
2	Overtone order	-	Fundamental			-	
3	Frequency tolerance	-	-10	-	+10	ppm	at +25°C
4	Frequency versus temperature characteristics *1.	-	-10	-	+10	ppm	at -20 to +70°C
5	Equivalent Series Resistance	R <sub>r</sub>	-	-	60	Ω	IECπ -Network Series
6	Load capacitance	CL	-	8	-	pF	IECπ -PI-Network
7	Level of drive	-	-	10	200	μW	
8	Insulation resistance	-	500	-	-	Ω	*2.
9	Operating temperature range	Topr	-20	-	+70	°C	
10	Storage temperature range	Tstr	-40	-	+85	°C	
11	Air-tightness	-	-	-	1.1×10 <sup>-9</sup>	Pa m <sup>3</sup> /s	Helium leak detector

\*1. The reference temperature shall be +25°C

\*2. When terminal to terminal and terminal to cover were applied at DC100V ±15V.

Dimension

