

Specification of Quartz Crystal Units

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|------------------------------|-------------------------------|
| 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 _{nom})	f _{nom}	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 _r	-	-	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	-	-	-	1.1x10 ⁻⁹	Pa m ³ /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

