

Specification of Quartz Crystal Units

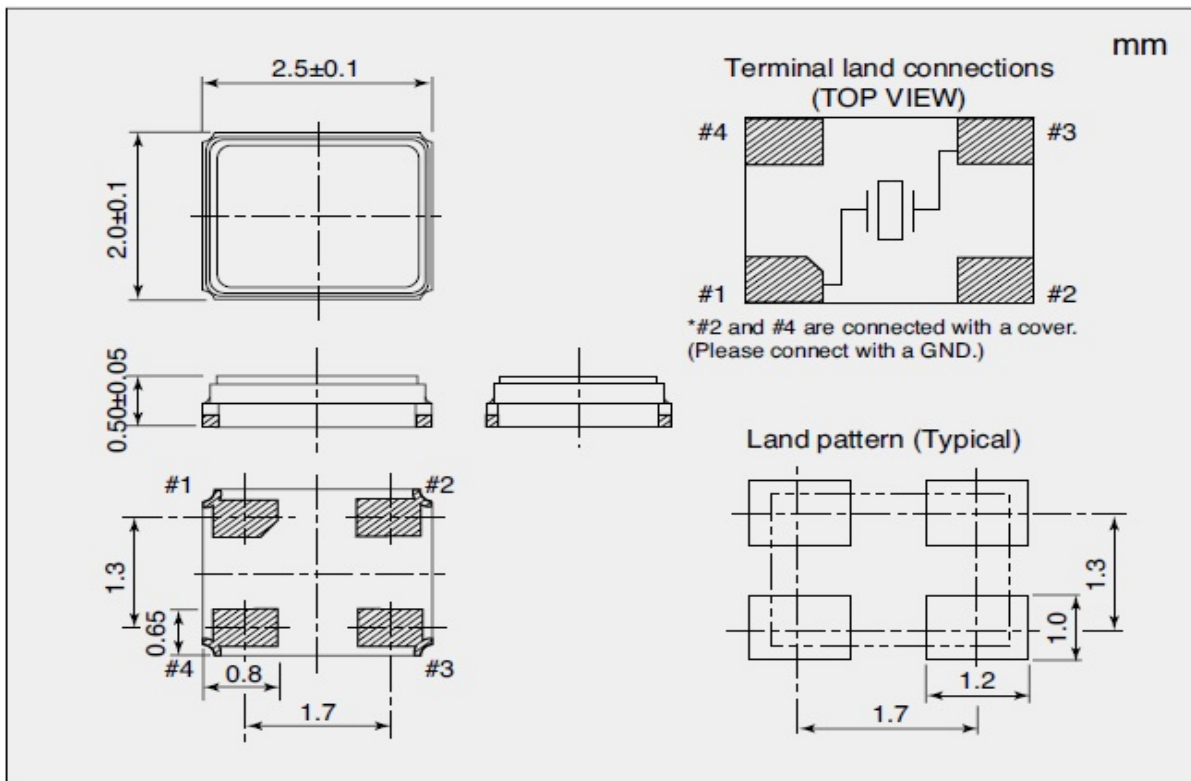
1 NDK Part Number	NX2520SA-__M-STD-CSW-2
2 Chipset Maker	---
3 Application	---
4 Chipset Name	---
5 NDK Specification Number	STD-CSW-2
6 Type	NX2520SA
7 Electrical Characteristics	

Parameters	SYM.	Electrical Spec.				Notes
		min	typ	max	Units	
Nominal Frequency (f _{nom})	f _{nom}	16	-	48	MHz	
Overtone order	-	Fundamental			-	
Frequency tolerance	-	-10	-	+10	ppm	at +25°C
Frequency versus temperature characteristics	-	-10	-	+10	ppm	at -10 to +60°C *1.
Equivalent Series Resistance	R _r	-	-	80	Ω	16 ≤ f _x < 20(MHz), PI-Network Series
		-	-	60		20 ≤ f _x < 30(MHz), PI-Network Series
		-	-	50		30 ≤ f _x < 35(MHz), PI-Network Series
		-	-	40		35 ≤ f _x ≤ 48(MHz), PI-Network Series
Load capacitance	CL	-	10	-	pF	PI-Network
Level of drive	-	-	10	200	μW	
Insulation resistance	-	500	-	-	Ω	*2.
Operating temperature range	-	-10	-	60	°C	
Storage temperature range	-	-40	-	85	°C	
Air-tightness	-	-	-	1.1×10 ⁻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



Mouser Electronics

Authorized Distributor

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NDK:

[NX2520SA-32.000M-STD-CSW-2](#) [NX2520SA-16.000M-STD-CSW-2](#) [NX2520SA-24.576000MHZ-STD-CSW-2](#)
[NX2520SA-16.000000MHZ-STD-CSW-2](#) [NX2520SA-44.000000MHZ-STD-CSW-2](#) [NX2520SA-26.000000MHZ-STD-](#)
[CSW-2](#) [NX2520SA-24.000000MHZ-STD-CSW-2](#) [NX2520SA-30.000000MHZ-STD-CSW-2](#) [NX2520SA-20.000000MHZ-](#)
[STD-CSW-2](#) [NX2520SA-32.000000MHZ-STD-CSW-2](#) [NX2520SA-48.000000MHZ-STD-CSW-2](#)