

# Specification of Quartz Crystal Units

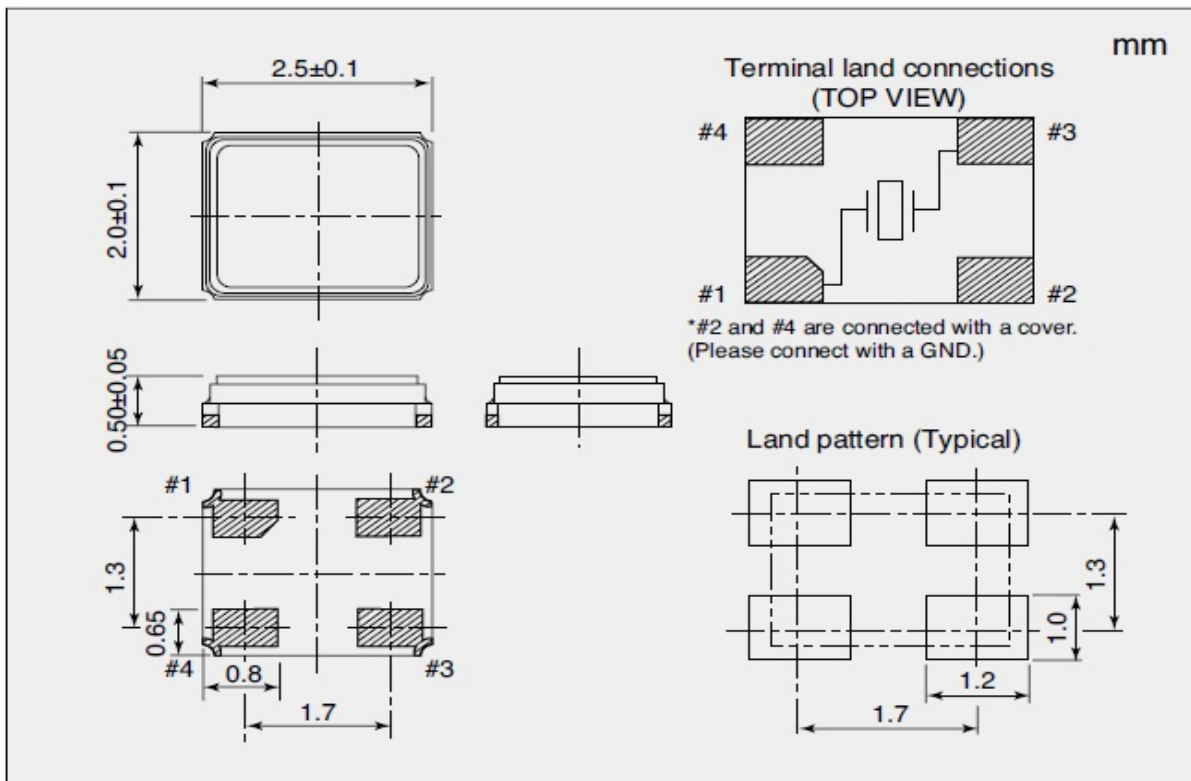
1 NDK Part Number	NX2520SA-__M-STD-CSW-2
2 Chipset Maker	---
3 Application	---
4 Chipset Name	---
5 NDK Specification Number	STD-CSW-2
6 Type	NX2520SA
7 Electrical Characteristics	

Parameters	SYM.	Electrical Spec.				Notes
		min	typ	max	Units	
Nominal Frequency (f <sub>nom</sub> )	f <sub>nom</sub>	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 <sub>r</sub>	-	-	80	Ω	16 ≤ f <sub>x</sub> < 20(MHz), PI-Network Series
		-	-	60		20 ≤ f <sub>x</sub> < 30(MHz), PI-Network Series
		-	-	50		30 ≤ f <sub>x</sub> < 35(MHz), PI-Network Series
		-	-	40		35 ≤ f <sub>x</sub> ≤ 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 <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



## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Crystals](#) category:*

*Click to view products by [NDK](#) manufacturer:*

Other Similar products are found below :

[CX3225GB25000M0PPSZ1](#) [718-13.2-1](#) [MC405 32.0000K-R3:PURE SN](#) [7A-40.000MAAE-T](#) [FL2000085](#) [99-BU](#) [9B-15.360MBBK-B](#) [9C-7.680MBBK-T](#) [H10S-12.000-18-EXT-TR](#) [ABC2-6.000MHZ-D4Z-T](#) [ABLS-20.000MHZ-D2-T](#) [ABS071-32.768KHZ-6-T](#) [R38-32.768-12.5-5PPM-NPB](#) [BTD1062E05A-513](#) [21U15A-21.4MHZ](#) [RTX-781DF1-S-20.950](#) [LFXTAL066198Cutt](#) [9C-14.31818MBBK-T](#) [A-11.000MHZ-27](#) [ABL-27.000MHZ-B4Y-T](#) [ABM11-132-24.000MHZ-T3](#) [ABM3B1-25.000MHZ-D2Y-T](#) [SPT2A-.032768B](#) [SPT2A.032768G](#) [SSPT7F-9PF20-R](#) [LFXTAL065253Cutt](#) [LFXTAL066431Cutt](#) [XT9S20ANA14M7456](#) [7A-24.576MBBK-T](#) [7B-30.000MBBK-T](#) [MMCC2R32.7680KHZ](#) [7A-14.31818MBBK-T](#) [6504-202-1501](#) [6526-202-1501](#) [ABLS-12.000MHZ-B2Y-T](#) [7A-10.000MBBK-T](#) [SG636PCE-20.000MC](#) [3404](#) [E1SAA18-25.000M TR](#) [CM315D32768EZFT](#) [C1E-24.000-7-2020-R](#) [C1E-19.200-12-1530-X-R](#) [C1E-16.000-12-1530-X-R](#) [ABM11-16.000MHZ-9-B1U-T](#) [FL5000014](#) [EUCA18-3.1872M](#) [FX0800015](#) [425F35E027M0000](#) [FP0800018](#) [MS3V-T1R-32.768kHz-7pF-20PPM-TA-QC-Au](#)