Specification of Quartz Crystal Units



1 NDK Part Number NX2520SA-_M-STD-CSW-2

2 Chipset Maker

3 Application

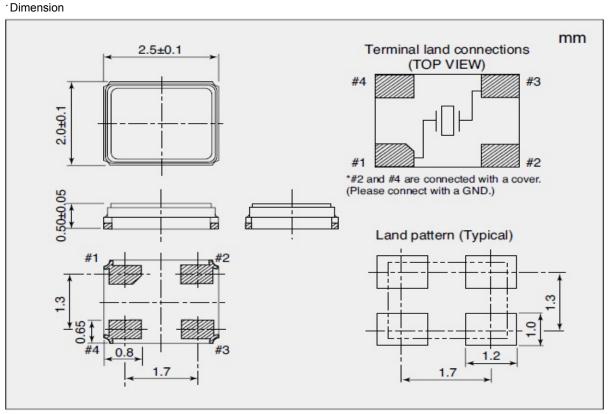
4 Chipset Name

5 NDK Specification Number STD-CSW-2 6 Type NX2520SA

7 Electrical Characteristics

Parameters	SYM.	Electrical Spec.				Notes
		min	typ	max	Units	ivoles
Nominal Frequency (fnom)	fnom	16	-	48	MHz	
Overtone order	=	Fundamental -		1		
Frequency tolerance	-	-10	-	+10	ppm	at +25°C
Frequency versus temperature characteristics	-	-10	-	+10	ppm	at -10 to +60°C *1.
Equivalent Series Resistance	Rr	-	-	80	Ω	16≦fx<20(MHz), PI-Network Series
		-	-	60		20≦fx<30(MHz), PI-Network Series
		-	-	50		30≦fx<35(MHz), PI-Network Series
		-	-	40		35≦fx≦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	ç	
Storage temperature range	-	-40	-	85	ç	
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.