

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Specification of Quartz Crystal Units



1 NDK Part Number NX2520SG-19.2M-EXS00A-CS04340

2 Chipset Maker

3 Application Connectivity (NB-IOT, Modem for mobile)
4 Chipset Name MDM9206,MDM9207, Snapdragon series

5 NDK Specification Number EXS00A-CS04340

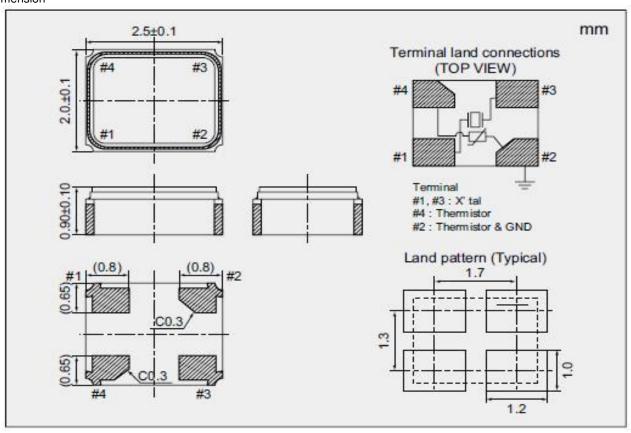
Type NX2520SG

7 Electrical Characteristics

	Parameters		Electrical Spec.				Notes
	Farameters	SYM.	min	typ	max	Units	Notes
1	Nominal Frequency (fnom)	fnom	19.200		MHz		
2	Overtone order	ı	Fundamental		1		
3	Frequency tolerance	1	-10	-	+10	ppm	at +30°C
4	Frequency versus temperature characteristics *1.	-	-12	-	+12	ppm	at -30 to +85°C
5	Equivalent Series Resistance	Rr	-	-	70	Ω	IECπ -Network Series
6	Load capacitance	CL	-	7	-	pF	IECπ -PI-Network
7	Level of drive	-	-	10	100	μW	
8	Shunt Capacitance	C0	-15%	0.85	+15%	pF	
9	Motional Capacitance	C1	-15%	2.2	+15%	fF	
10	Motional Inductance	L1	-15%	31.2	+15%	mΗ	
11	Insulation resistance	ı	500	-	-	Ω	*2
12	Operating temperature range	-	-30	-	105	°C	
13	Storage temperature range	-	-40	-	105	ç	
14	Air-tightness	-	-	-	1.1×10^-9	Pa m^3/s	Helium leak detector

Qualcomm

¹ Dimension



^{*1.} The reference temperature shall be +30°C

^{*2.} When terminal to terminal and terminal to cover were applied at DC100V ±15V.