



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!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



# Specification of Quartz Crystal Units

- 1 NDK Part Number NX1612SA-32.000MHZ-CHP-CIS-3
- 2 Chipset Maker
- 3 Application
- 4 Chipset Name
- 5 NDK Specification Number CHP-CIS-3
- 6 Type NX1612SA
- 7 Electrical Characteristics

	Parameters	SYM.	Electrical Spec.				Notes
			min	typ	max	Units	
1	Nominal Frequency (f <sub>nom</sub> )	f <sub>nom</sub>	32.000			MHz	
2	Overtone order	-	Fundamental			-	
3	Frequency tolerance	-	-10	-	+10	ppm	at +25°C
4	Frequency versus temperature characteristics	-	-20	-	+20	ppm	at -40 to +85 °C
5	Equivalent Series Resistance	R <sub>r</sub>	-	-	100	Ω	IECπ -network / Series
6	Load Capacitance	C <sub>L</sub>		6	-	pF	IECπ -network
7	Level of drive	D <sub>L</sub>	-	10	200	μ W	
8	Operating temperature range	T <sub>opr</sub>	-40	-	+85	°C	
9	Storage temperature range	T <sub>str</sub>	-40	-	+85	°C	

## Dimension

