

## Specification of Quartz Crystal Units

1	NDK Part Number	MU00525-32.768K
2	Chipset Maker	---
3	Application	---
4	Chipset Name	---
5	NDK Specification Number	EXS00A-MU00525
6	Prior NDK Parts Number	NX3215SA 32.768kHz EXS00A-MU00525
7	Type	NX3215SA
8	Electrical Characteristics	

	Parameters	SYM.	Electrical Spec.				Notes
			min	typ	max	Units	
1	Nominal Frequency (f <sub>nom</sub> )	f <sub>nom</sub>	32.768			kHz	
2	Overtone order	-	Fundamental			-	
3	Frequency tolerance	-	-20	-	+20	ppm	at +25°C
4	Turning Point	-	+25+/-5			°C	
5	Temperature coefficient	-	-0.04 Max.			ppm/°C <sup>2</sup>	
6	Equivalent Series Resistance	R <sub>r</sub>	-	-	50	kΩ	Network Analyzer for T <sub>1</sub>
			-	-	70	kΩ	Network Analyzer for T <sub>2</sub>
7	Load capacitance	CL	-	6.0	-	pF	Network Analyzer
8	Level of drive	-	-	0.1	0.5	μW	
9	Insulation resistance	-	500	-	-	Ω	*1.
10	Operating temperature range	T <sub>opr</sub>	-40	-	+85	°C	T <sub>1</sub>
			-40	-	+125	°C	T <sub>2</sub>
11	Storage temperature range	T <sub>str</sub>	-40	-	+85	°C	
			-40	-	+125	°C	

\*1. Terminal to terminal insulation resistance must be 500MΩ (Min.) when DC100V ±15V is applied.

### Dimension

