## Specification of Quartz Crystal Units



1 NDK Part Number NX3215SA-32.768kHz-EXS00A-MU00003

2 Chipset Maker STMicroelectronics

3 Application BLE

4 Chipset Name BlueNRG

5 NDK Specification Number EXS00A-MU00003

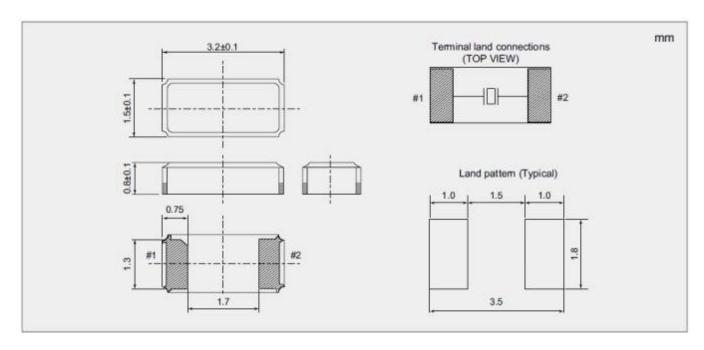
7 Electrical Characteristics

6 Type

	Parameters		Electrical Spec.				Notes
	raiailleteis	SYM.	min	typ	max	Units	Notes
1	Nominal Frequency (fnom)	fnom	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/°C2		
6	Equivalent Series Resistance	Rr	-	-	90	kΩ	Network Analyzer(CNA-LF made in Transat corp.)
7	Load capacitance	CL	-	12.5	-	pF	Network Analyzer(CNA-LF made in Transat corp.)
8	Level of drive	-	-	0.1	0.5	μW	
9	Insulation resistance	-	500	-	-	Ω	*1.
10	Operating temperature range	Topr	-40	-	+85	°C	
11	Storage temperature range	Tstr	-40	-	+85	°C	

NX3215SA

## <sup>1</sup>Dimension



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