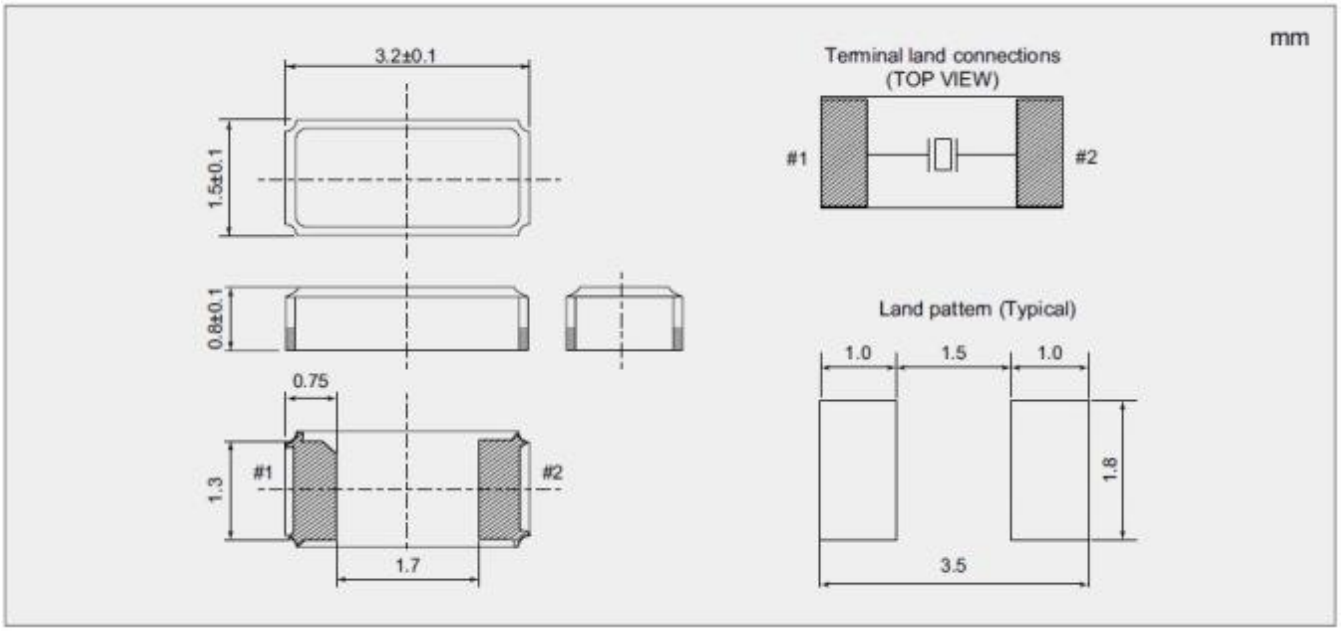
Specification of Quartz Crystal Units

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
6	Type	NX3215SA
7	Electrical Characteristics	

	Parameters	SYM.	Electrical Spec.				Notes
			min	typ	max	Units	
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.			$ppm/°C^2$	
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	

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

: Dimension



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Nihon Dempa Kogyo:

STDCRG2-19.2M CS15189-14.31818M NX2016SA-25MHZ-STD-CZS-2 NX2520SA-16.000000MHZ-W1 NX3225GA-20.000M-STD-CRG-1 NX3225GA-27M-STD-CRG-2 NX3225SA20.000MSTDCRS2 STDCSU2-20M NX3225GA-32M-EXS00A-CG02611 NX3225SA-25.000M-STD-CRS-2 NX3225SA-30.000M-STD-CSR-3 NX5032GA-8MHZ-STD-CSU-1 NX2012SA-32.768KHZ-STD-MUB-1 NX3215SA-32.768KHZ-EXS00A-MU00746 CS08742-25M NSC5004D-20M NT3225SA-18MHZ-NSA3391E NX3215SA-32.768KHZ-STD-MUA-8 NX3215SA32.768KSTDMUA8 NX3225HA-27MHZ-EXS00A-CH00676 NX5032GA-16MHZ-STD-CSK-8 NX8045GB-7.3728MHZ-STD-CSF-3 LNCD1-10M LNCD1-40M NX3225GA-16MHZ-STD-CRA-1 NX3225GB-16MHz-STD-CRA-2 NZ2520SHA-50M-END5359A STDCRG1-27M STDCRA3-10M CS14523-24.576M