

Crystal Units

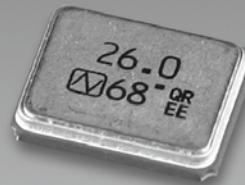
NX3225SA For OA / AV Mobile Communications/ Short-range Wireless

■ Features

- Ideal for such as bluetooth, Wifi, smartphone and tablet pc.
- Compact and thin. (3.2 × 2.5 × 0.55 mm typ.)
- Excellent environmental characteristics, including heat and shock resistance.
- Lead-free. Meets the requirements for re-flow profiling using lead-free solder.

Pb Free

RoHS Compliant
Directive 2011/65/EU
Directive (EU) 2015/863



■ Specifications

Item	Model		NX3225SA
Standard	Standard	Optional	
Nominal Frequency (MHz)	12 ≤ F ≤ 64	12 ≤ F ≤ 64	
Overtone Order	Fundamental	Fundamental	
Frequency Tolerance (25 ±3 °C)	±15 × 10 ⁻⁶	±10 × 10 ⁻⁶	
Frequency versus Temperature Characteristics (with reference to +25 °C)	±25 × 10 ⁻⁶	±25 × 10 ⁻⁶ (Temp extended case, *1)	
Operating Temperature Range (°C)	-40 to +85	-40 to +85 *1	
Storage Temperature Range	-40 to +85	-40 to +85	
Equivalent Series Resistance	Refer to *2	Refer to *1	
Level of Drive (μW)	10 (Max. 200)	10 (Max. 200)	
Load Capacitance (pF)	8	6 to 32	
Frequency Aging (+25°C)	---	Max. ±3 × 10 ⁻⁶ / year *1	
Specifications Number	STD-CQR-1	Refer to *3	

Please specify the model name, frequency, and specification number when you order products.

For further questions regarding specifications, please feel free to contact us.

*1 If you have any other requests, NDK will study it.

*3 Ordering information: Overtone Order Fundamental / 3rd Overtone, the Operating Temperature Range, Frequency versus Temperature Characteristics, Frequency Tolerance, and Load Capacitance.

Ex. Model, Frequency (24.00000MHz 6digits), S1: Fundamental or S3 : 3rd overtone

– Operating Temperature Range (-40 to +85°C) – Frequency versus Temperature Characteristics (±25 × 10⁻⁶)

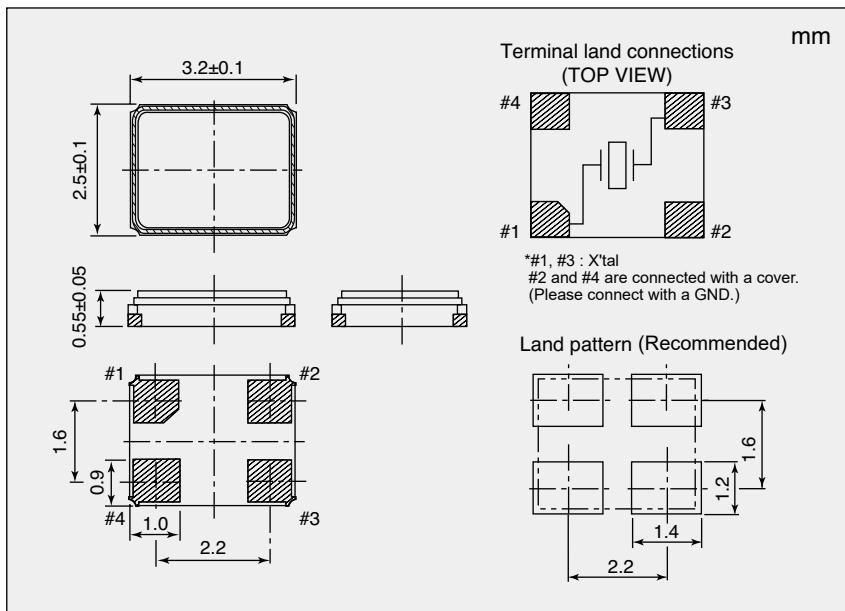
– Frequency Tolerance (±10 × 10⁻⁶) – Load Capacitance (8pF)

NX3225SA

24.00000MHz

S1-4085-25-10-8

■ Dimensions



Equivalent Series Resistance

	Overtone Order	Nominal Frequency (MHz)	Equivalent Series Resistance Max. (Ω)
*2	Fundamental	12 ≤ F < 13	100
		13 ≤ F < 20	80
		20 ≤ F ≤ 64	50

If you have any other requests, NDK will study it.