Crystal Units

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

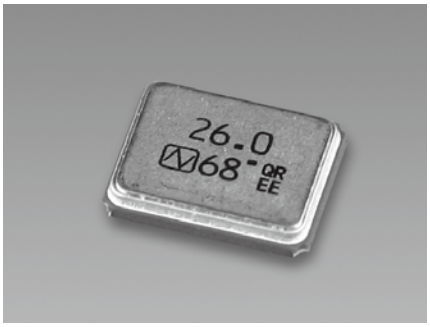
■ Features

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

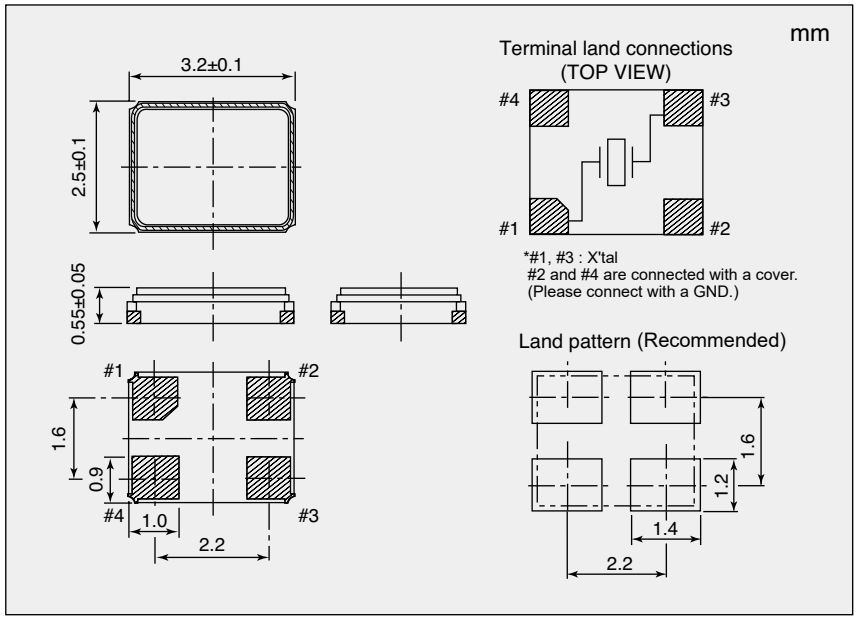


■ Specifications

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 (24.000000MHz 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
24.000000MHz
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.