Crystal Units

Crystal Bridge to the Future

NX3225GA

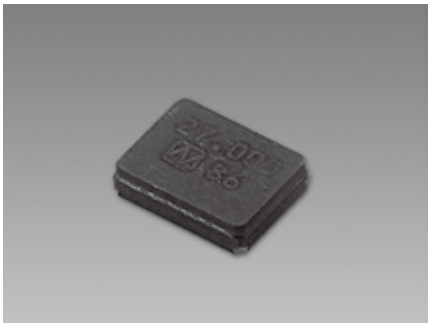
For OA / AV

■ Features

A small surface-mount type crystal unit, especially suited for small-sizing requirements.

- Compact and thin. (3.2 x 2.5 x 0.75 mm typ.)
- Excellent environmental characteristics, including heat and shock resistance.
- Excellent electrical performance for OA (office automation) and AV (audiovisual) applications.
- Meets the requirements for re-flow profiling using lead-free solder.

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



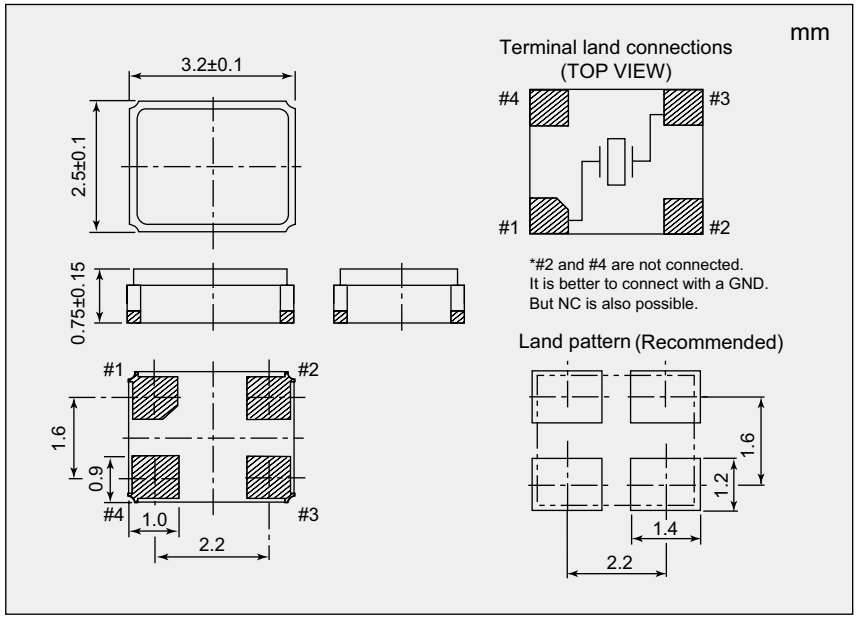
■ Specifications

Item \ Model	NX3225GA	
Standard	Standard	Optional
Nominal Frequency (MHz)	9.840 to 50	9.840 to 50
Overtone Order	Fundamental	Fundamental
Frequency Tolerance (25 ±3 °C)	±20 × 10^{-6}	±20 × 10^{-6}
Frequency versus Temperature Characteristics (with reference to +25 °C)	±30 × 10^{-6}	±30 × 10^{-6} (Temp extended case, *1)
Operating Temperature Range (°C)	−40 to +85	−40 to +85 *1
Storage Temperature Range (°C)	−40 to +85	−40 to +85
Equivalent Series Resistance	Refer to *2	Refer to *2
Level of Drive (μW)	10 (Max. 200)	10 (Max. 200)
Load Capacitance (pF)	8	6 to 32
Frequency Aging (+25 °C)	---	Max. ±10 × 10^{-6} / year *1
Specifications Number	STD-CRG-2	Refer to *3

Please specify the model name,frequency,and specification number when you order products.
For futher 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 (38.400000MHz 6digits), S1:Fundamental or S3:3rd Overtone
- Operating Temperature Range (-40 to +85°C) - Frequency versus Temperature Characteristics (±30×10^{-6})
- Frequency Tolerance (±20×10^{-6}) - Load Capacitance (8pF)

NX3225GA
38.400000MHz
S1-4085-30-20-8

■ Dimensions



*2 Equivalent Series Resistance

Nominal Frequency (MHz)	Equivalent Series Resistance Max. (Ω)
9.840 to 12	200
12 to 13	100
13 to 20	80
20 to 50	50

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