



**THE DATASHEET OF
NX3225SA-24.000M-STD-CSR-3**

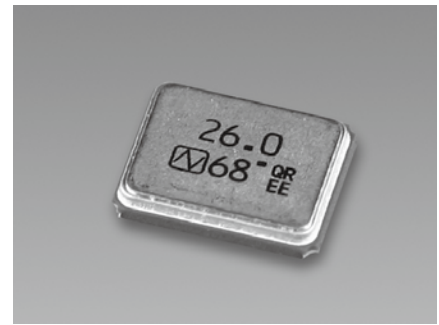


NX3225SA For OA / AV / Short-range Wireless

■ Features

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

- Compact and thin. (3.2 × 2.5 × 0.55 mm typ.)
- Excellent environmental characteristics, including heat and shock resistance.
- Excellent electrical performance, ideal for OA (office automation), AV (audiovisual), Bluetooth and Wireless LAN applications.
- Lead-free. Meets the requirements for re-flow profiling using lead-free solder.



Pb Free

RoHS Compliant
Directive 2011/65/EU

■ Specifications

Item	Model	NX3225SA	
Nominal frequency		12 to 60 MHz	40 to 150 MHz
Overtone order		Fundamental	3rd overtone
Frequency tolerance (25 ±3 °C)		±15 × 10 ⁻⁶	±20 × 10 ⁻⁶
Frequency versus temperature characteristics (with reference to +25 °C)		±15 × 10 ⁻⁶	
Operating temperature range		-10 to +75 °C	
Storage temperature range		-40 to +85 °C	
Equivalent series resistance		Refer to *1	
Level of drive		10 μW (Max. 200 μW)	
Load capacitance		8 pF	Series resonance

The above specifications are standard for this NDK product.

Custom-made specifications such as load capacitance and temperature characteristics are also available.

Please contact NDK sales with your enquiries.

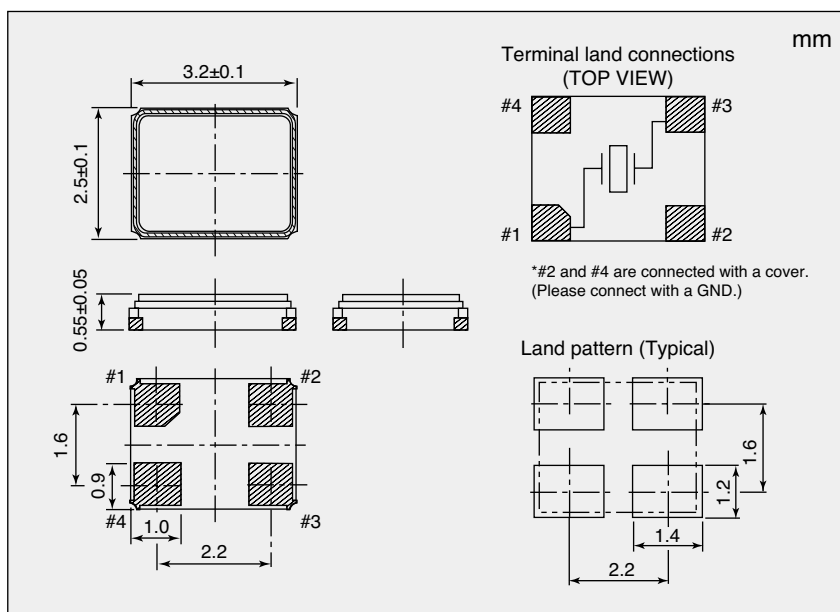
■ How to Specify an Order

When ordering our products, specify them with an "Ordering Code" that consists of the following :

[Model name] - [Frequency (Max : 9 digits)] M - [Number for specifying an order] Example NX3225SA-12.000M-STD-CSR-3

If you have any queries concerning our standard frequencies and numbers for specifying orders, please contact our sales representatives or visit our homepage (<http://www.ndk.com/>).

■ Dimensions




*1 Equivalent Series Resistance

Overtone Order	Nominal frequency (MHz)	Equivalent Series Resistance max. [Ω]
Fundamental	12 to 13	100
	13 to 20	80
3rd overtone	20 to 60	50
	40 to 100	140
	100 to 150	100

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

-  [View NX3225SA-24.000M-STD-CSR-3 on WIN SOURCE](#)
-  [NDK Information](#)

Optimize Your Supply Chain with WIN SOURCE Solutions

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