



**THE DATASHEET OF  
NX1612SA-50M-EXS00A-CS08403**



## NX1612SA

For OA / AV / Short-range Wireless

### ■ Features

- A small and thin surface-mount type crystal unit.
- Ideal for Wearable device and Short-range Wireless module.
- Ultra compact and thin (Typ. 1.6 × 1.2 × 0.3 mm)
- 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	NX1612SA	
		Standard	Optional
Standard		Standard	Optional
Nominal Frequency (MHz)		24 ≤ F ≤ 80	24 ≤ F ≤ 80
Overtone Order		Fundamental	Fundamental
Frequency Tolerance (25 ±3 °C)		±10 × 10 <sup>-6</sup>	±10 × 10 <sup>-6</sup>
Frequency versus Temperature Characteristics (with reference to +25 °C)		±15 × 10 <sup>-6</sup>	±25 × 10 <sup>-6</sup> (Temp extended case, *1)
Operating Temperature Range (°C)		-30 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. 100)	10 (Max. 100)
Load Capacitance (pF)		8	6 to 18
Frequency Aging		---	Max. ±3 × 10 <sup>-6</sup> / year *1
Specifications Number		STD-CIS-3	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 (38.400000MHz 6digits), S1:Fundamental or S3:3rd Overtone

- Operating Temperature Range (-30 to +85°C) - Frequency versus Temperature Characteristics (±12×10<sup>-6</sup>)

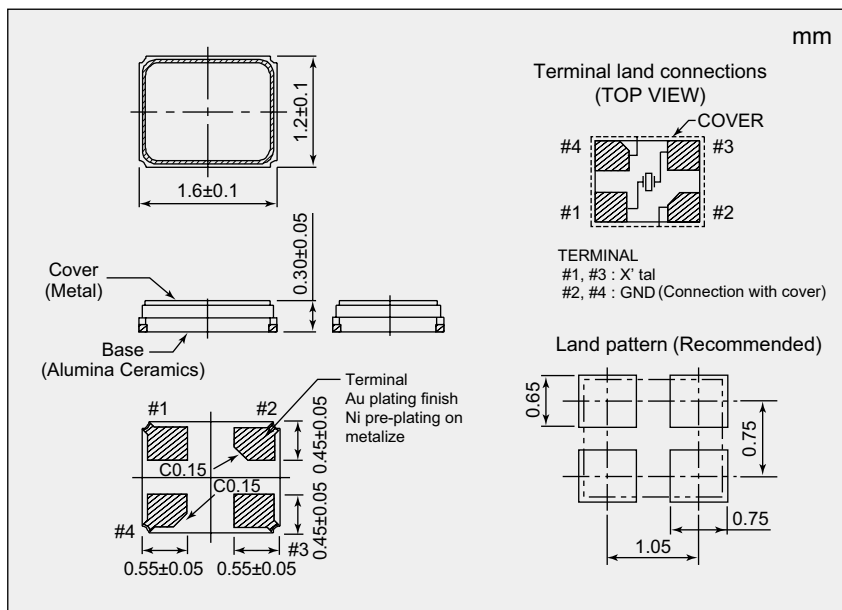
- Frequency Tolerance (±12×10<sup>-6</sup>) - Load Capacitance (7pF)

NX1612SA

38.400000MHz

S1-3085-12-12-7

### ■ Dimensions




\*2 Equivalent Series Resistance

Nominal Frequency (MHz)	Equivalent Series Resistance Max. (Ω)
24 ≤ F < 32	150
32 ≤ F < 38	100
38 ≤ F ≤ 80	80

## Looking for pricing, stock, or lifecycle information?

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