

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. $1.6 \times 1.2 \times 0.3$ 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
Nominal Frequency (MHz)		$24 \leq F \leq 80$	$24 \leq F \leq 80$
Overtone Order		Fundamental	Fundamental
Frequency Tolerance (25 ± 3 °C)		$\pm 10 \times 10^{-6}$	$\pm 10 \times 10^{-6}$
Frequency versus Temperature Characteristics (with reference to $+25$ °C)		$\pm 15 \times 10^{-6}$	$\pm 25 \times 10^{-6}$ (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. $\pm 3 \times 10^{-6}$ / 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 ($\pm 12 \times 10^{-6}$)

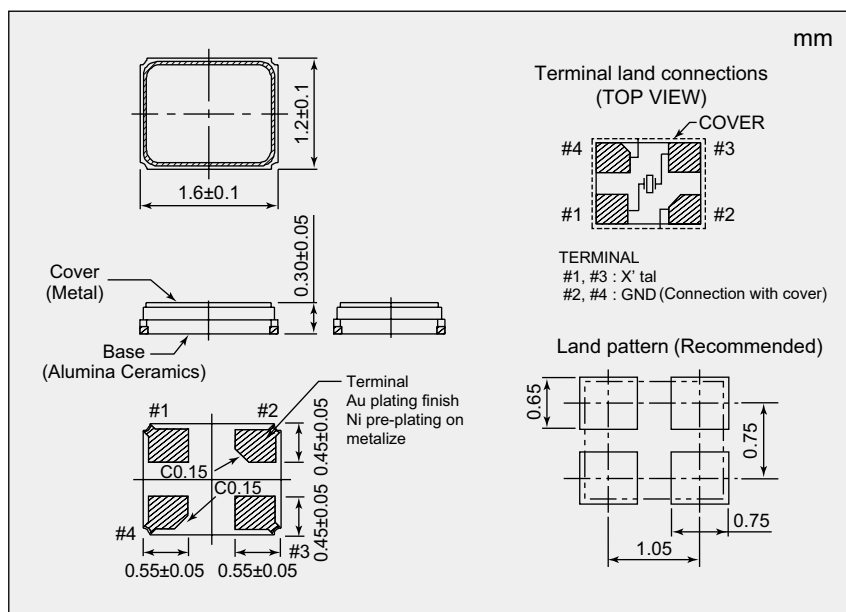
- Frequency Tolerance ($\pm 12 \times 10^{-6}$) - Load Capacitance (7pF)

NX1612SA

38.400000MHz

S1-3085-12-12-7

■ Dimensions



*2 Equivalent Series Resistance

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

Mouser Electronics

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[NX1612SA-50M-EXS00A-CS08403](#)