Crystal Units

Crystal Bridge to the Future

NX1210AB

For OA / AV / Short-range Wireless

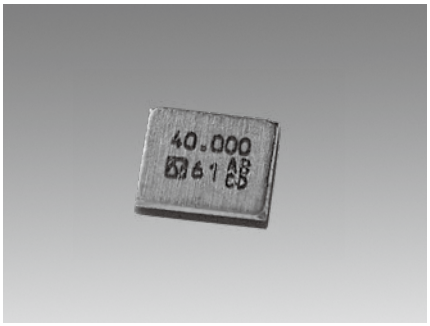
■ Features

Ultra compact and thin surface-mount type crystal unit.

- Ultra compact and thin (Typ. 1.2 × 1.0 × Typ. 0.25 , H : 0.30mm)
- Highly reliable crystal unit.
- A product with characteristics best suited for ultra compact Wireless LAN and Bluetooth.(For Short-range Wireless)
- A surface-mount crystal oscillator. (Reflow soldering is possible.)
- 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

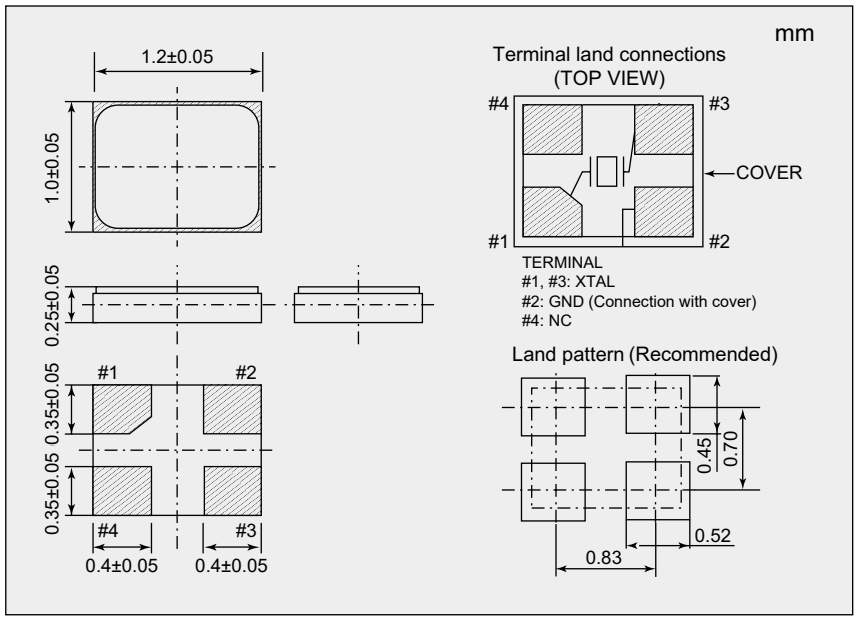


■ Specifications

Item \ Model	NX1210AB	
Standard	Standard	Optional
Nominal Frequency (MHz)	26 ≤ F ≤ 52	26 ≤ F ≤ 80
Overtone Order	Fundamental	Fundamental
Frequency Tolerance (25 ±3 °C)	±10 × 10^{-6}	±10 × 10^{-6}
Frequency versus Temperature Characteristics (with reference to +25 °C)	±15 × 10^{-6}	±25 × 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 *3
Level of Drive (μW)	10 (Max. 100)	10 (Max. 100)
Load Capacitance (pF)	8	6 to 12
Frequency Aging (+25°C)	---	Max. ±3 × 10^{-6} / year *1
Specifications Number	STD-CIX-1	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 (-30 to +85°C) - Frequency versus Temperature Characteristics (±12×10^{-6})
- Frequency Tolerance (±12×10^{-6}) - Load Capacitance (7pF)
NX1210AB
38.400000MHz
S1-3085-12-12-7

■ Dimensions



*2 Equivalent Series Resistance

Nominal Frequency (MHz)	Equivalent Series Resistance Max. (Ω)
26 ≤ F < 32	150
32 ≤ F < 40	100
40 ≤ F ≤ 52	60

*3 Equivalent Series Resistance

Nominal Frequency (MHz)	Equivalent Series Resistance Max. (Ω)
26 ≤ F < 32	150
32 ≤ F < 40	100
40 ≤ F ≤ 52	80
52 < F ≤ 80	60