Crystal Units

NX1210AB

NIHON DEMPA KOGYO CO., LTD.

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.

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

0.0±0.05

05

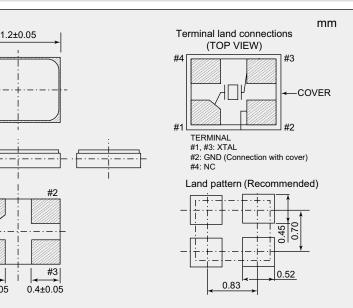
0.25±0

 0.35 ± 0.05

 0.35 ± 0.05

#4

0.4±0.05



*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

For OA / AV / Short-range Wireless

40.000

01618



