

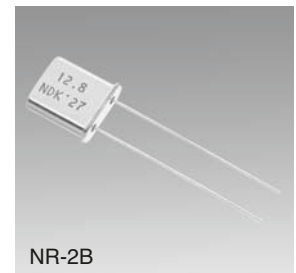
## NR-2C / NR-2B

For High Precision Industry

### ■ Features

A highly reliable crystal unit with outstanding frequency stability and covering a broad frequency range.

- The product satisfies strict temperature characteristics standards, is shock resistant and has excellent frequency reproducibility.



**Pb Free**

**RoHS Compliant**  
Directive 2002/95/EC

### ■ Specifications

Item	Model	NR-2C			NR-2B		
		10 to 25 MHz	45 to 95 MHz	80 to 150 MHz	10 to 30 MHz	25 to 75 MHz	50 to 100 MHz
Nominal frequency		10 to 25 MHz	45 to 95 MHz	80 to 150 MHz	10 to 30 MHz	25 to 75 MHz	50 to 100 MHz
Overtone order		Fundamental	3rd overtone	5th overtone	Fundamental	3rd overtone	5th overtone
Frequency tolerance (25 ±3 °C)		±10 × 10 <sup>-6</sup>					
Frequency versus temperature characteristics (with reference to +25 °C)		±5 × 10 <sup>-6</sup>					
Operating temperature range		-10 to +60 °C					
Storage temperature range		-40 to +85 °C					
Equivalent series resistance		Refer to *1			Refer to *2		
Level of drive		10 μW (Max. 100 μW)					
Load capacitance		12 pF	Series resonance		12 pF	Series resonance	

\*1 Equivalent Series Resistance (NR-2C)

Overtone Order	Nominal frequency (MHz)	Equivalent Series Resistance max. [Ω]
Fundamental	10 to 25	40
3rd overtone	45 to 95	60
5th overtone	80 to 150	80

\*2 Equivalent Series Resistance (NR-2B)

Overtone Order	Nominal frequency (MHz)	Equivalent Series Resistance max. [Ω]
Fundamental	10 to 30	25
3rd overtone	25 to 30	50
	30 to 75	45
5th overtone	50 to 100	60

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 NR-2C-10.368M-STD-CMB-4

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

