Crystal Units

Crystal Bridge to the Future

NR-2C / NR-2B For High Precision Industry

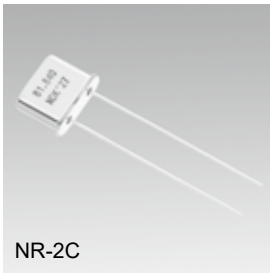
■ Features

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

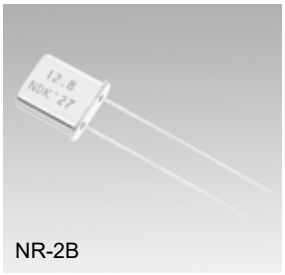
- The product satisfies strict temperature characteristics standards, is shock resistant and has excellent frequency reproducibility.

Pb Free

RoHS Compliant
Directive 2011/65/EU
Directive (EU) 2015/863



NR-2C



NR-2B

■ Specifications

Item \ Model	NR-2C			NR-2B				NR-2C / NR-2B
Standard	Standard			Standard				Optional
Nominal Frequency (MHz)	10 ≤ F ≤ 25	45 ≤ F ≤ 95	80 ≤ F ≤150	10 ≤ F ≤ 30	25 ≤ F < 30	30 ≤ F ≤ 75	50 ≤ F ≤100	NR-2C: 10 ≤ F ≤150 NR-2B: 10 ≤ F ≤100
Overtone Order	Fundamental	3rd overtone	5th overtone	Fundamental	3rd overtone	3rd overtone	5th overtone	Fundamental/ 3rd overtone/ 5th overtone
Frequency Tolerance (25 ±3 °C)	±10 × 10^{-6}			±10 × 10^{-6}				±10 × 10^{-6}
Frequency versus Temperature Characteristics (with reference to +25 °C)	±5 × 10^{-6}			±5 × 10^{-6}				±5 × 10^{-6}
Operating Temperature Range (°C)	−10 to +60			−10 to +60				−10 to +60
Storage Temperature Range (°C)	−40 to +85			−40 to +85				−40 to +85
Equivalent Series Resistance (Ω)	Max. 40	Max. 60	Max. 80	Max. 25	Max. 50	Max. 45	Max. 60	---
Level of Drive (μW)	10 (Max. 100)			10 (Max. 100)				10 (Max. 100)
Load Capacitance (pF)	12	Series resonance		12	Series resonance			Series or 8 to 20
Frequency Aging (+25°C)	---			---				Max. ±5 × 10^{-6} / year *1
Specifications Number	STD-CMB-4	STD-CMB-5	STD-CMB-6	STD-CMB-1	STD-CMB-2		STD-CMB-3	Refer to *2

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.

*2 Ordering information: Overtone Order Fundamental / 3rd Overtone, the Operating Temperature Range, Frequency versus Temperature Characteristics, Frequency Tolerance, and Load Capacitance.
Ex. Model, Frequency (100.000000MHz 6digits), S1: Fundamental or S3 : 3rd overtone or S5 : 5th overtone – Operating Temperature Range (−10 to +60°C) − Frequency versus Temperature Characteristics (±5 × 10^{-6}) − Frequency Tolerance (±10 × 10^{-6}) − Load Capacitance (8pF)
NR-2C
100.000000MHz
S5-1060-5-10-8

■ Dimensions