

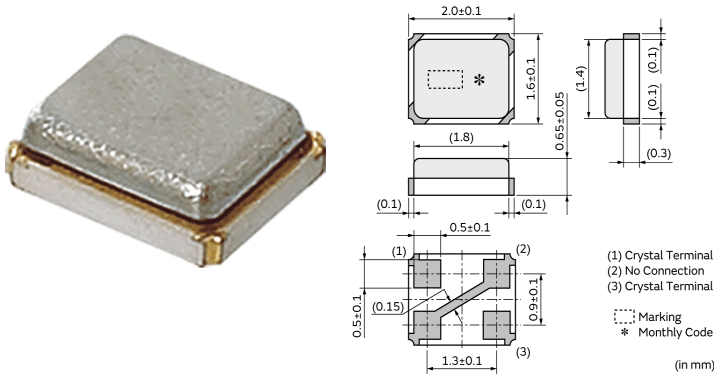
# XRCGB33M868F4M02R0

In Production

RoHS

REACH

## Appearance & Shape



## Features

The crystal unit that realized small package and highly accurate frequency.  
Based on Murata's excellent package technology and high grade quartz crystal elements, achieving small size and high accuracy resonators.

### Features

1. The series is available in the applications to be necessary for high accuracy resonator. Especially, it is the best for the communication clocks such as S-ATA and USB2.0.
2. The resonator is extremely small size (2.0 x 1.6 x 0.7 (mm)), and contribute to reduction in mounting area.
3. The series complies to RoHS directive, being lead-free (phase 3).

## Applications

|             |          |
|-------------|----------|
| Other Usage | Consumer |
|-------------|----------|

## Packaging Information

| Packaging | Specifications     | Standard Packing Quantity |
|-----------|--------------------|---------------------------|
| R0        | 180mm Plastic Tape | 3000                      |

### Attention

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, its specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.

2. This datasheet has only typical specifications because there is no space for detailed specifications.

Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

# XRCGB33M868F4M02R0



## Specifications

|                                    |                          |
|------------------------------------|--------------------------|
| Product Type                       | Crystal Unit             |
| Series                             | XRCGB                    |
| Type                               | HCR2016                  |
| Frequency                          | 33.8688MHz               |
| Frequency Tolerance                | +/-45ppm max. (25+/-3°C) |
| Operating Temperature Range        | -30°C to 85°C            |
| Frequency Shift by Temperature     | +/-40ppm max.            |
| Frequency Aging                    | +/-5ppm max./year        |
| Equivalent Series Resistance (ESR) | 100ohm max.              |
| Drive Level (DL)                   | 150μW (300μW max.)       |
| Load Capacitance (Cs)              | 10pF                     |
| Shape                              | SMD                      |
| Wash                               | Not available            |
| L x W (size)                       | 2.0x1.6mm                |
| Mass                               | 6.9mg                    |

### Attention

1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.

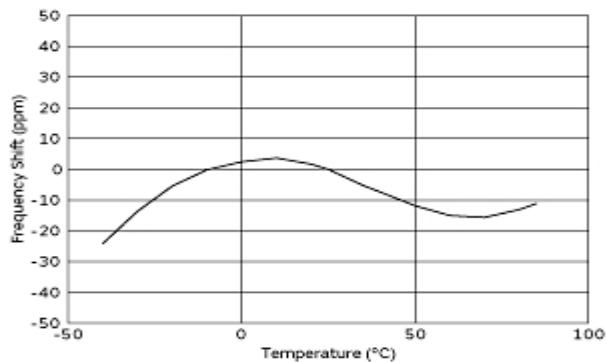
2.This datasheet has only typical specifications because there is no space for detailed specifications.

Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

# XRCGB33M868F4M02R0



## Product Data



### Temperature Characteristics

#### Attention

- 1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
- 2.This datasheet has only typical specifications because there is no space for detailed specifications.  
Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.