

## XRCGB31M250FAN00R0

REACH

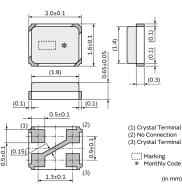
In Production RoHS

### Applications

| Unsuitable   | Please be sure to read and comply with     |
|--------------|--|
| Applications | these "Precautions for use."               |
|              | Consumer equipment,Industrial              |
|              | equipment except for transportation &      |
|              | facility & energy equipment,Medical        |
|              | equipment [GHTF A/B],Mobile                |
|              | Electronics                                |
| Specific     | Please refer to Our Website and            |
| Applications | specifications, etc. for information about |
| Applications | the performance, functions, quality,       |
|              | management, and safety required for        |
|              | the above applications, and use            |
|              | Products after confirming the              |
|              | performance and reliability of the actual  |
|              | Product.                                   |

### Appearance & Shape





Note: This datasheet may be out of date. Please download the latest datasheet of XRCGB31M250FAN00R0 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-sg/products/productdetail?partno=XRCGB31M250FAN00R0

## Packaging Information

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



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 ul USB2.0.

2. The resonator is extremerly small size  $(2.0 \times 1.6 \times 0.7 \text{ (mm)})$ , and contribute to reduction in mounting area.

3. The series complies to RoHS directive, being lead-free (phase 3).



#### 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





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### Specifications

| Product Type                          | Crystal Unit             |
|---------------------------------------|--------------------------|
| Series                                | XRCGB                    |
| Туре                                  | HCR2016                  |
| Frequency                             | 31.2500MHz               |
| Frequency Tolerance                   | +/-25ppm max. (25+/-3°C) |
| Operating Temperature<br>Range        | -10°C~70°C               |
| Frequency Shift by<br>Temperature     | +/-25ppm max.            |
| Frequency Aging                       | +/-5ppm max./year        |
| Equivalent Series<br>Resistance (ESR) | 100ohm max.              |
| Drive Level (DL)                      | 150µW (300µW max.)       |
| Load Capacitance (Cs)                 | 6pF                      |
| Shape                                 | SMD                      |
| Wash                                  | Not available            |
| L x W (size)                          | 2.0x1.6mm                |
| Mass                                  | 6.9mg                    |

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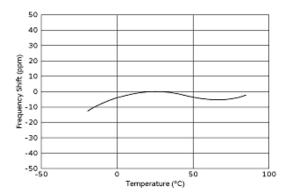


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# INNOVATOR IN ELECTRONICS

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**Temperature Characteristics** 

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