



Note: This datasheet may be out of date. Please download the latest datasheet of XRCPB48M000F4M00R0 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=XRCPB48M000F4M00R0

## XRCPB48M000F4M00R0









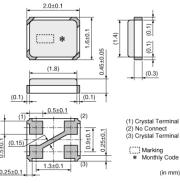
### **Applications**

| Unsuitable               | Please be sure to read and comply with     |  |
|--------------------------|--|--|
| Applications             | these "Precautions for use."               |  |
| Specific<br>Applications | Consumer equipment                         |  |
|                          | Please refer to Our Website and            |  |
|                          | specifications, etc. for information about |  |
|                          | 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







### Packaging Information

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



### **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 extremerly 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).

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





#### Product Search Data Sheet

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## **Specifications**

| Product Type                          | Crystal Unit             |
|---------------------------------------|--------------------------|
| Series                                | XRCPB                    |
| Туре                                  | HCR2016                  |
| Frequency                             | 48.0000MHz               |
| Frequency Tolerance                   | +/-45ppm max. (25+/-3°C) |
| Operating Temperature<br>Range        | -30°C~85°C               |
| Frequency Shift by<br>Temperature     | +/-40ppm 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                                  | 5.1mg                    |

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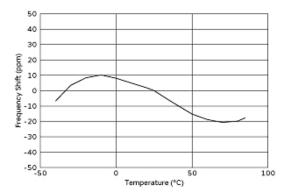
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**Temperature Characteristics** 

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