

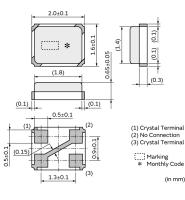
Product Search Data Sheet

## XRCGB24M576F3M01R0

In Production RoHS REACH

### Appearance & Shape





Note: This datasheet may be out of date. Please download the latest datasheet of XRCGB24M576F3M01R0 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-gb/products/productdetail?partno=XRCGB24M576F3M01R0

# 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.

 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).

# Applications

Other Usage

Consumer

### Packaging Information

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

1 of 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





XRCGB24M576F3M01R0

Note: This datasheet may be out of date. Please download the latest datasheet of XRCGB24M576F3M01R0 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-gb/products/productdetail?partno=XRCGB24M576F3M01R0

### Specifications

| Product Type                          | Crystal Unit             |
|---------------------------------------|--------------------------|
| Series                                | XRCGB                    |
| Туре                                  | HCR2016                  |
| Frequency                             | 24.5760MHz               |
| Frequency Tolerance                   | +/-30ppm 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) | 150ohm max.              |
| Drive Level (DL)                      | 150µW (300µW max.)       |
| Load Capacitance (Cs)                 | 8pF                      |
| Shape                                 | SMD                      |
| Wash                                  | Not available            |
| L x W (size)                          | 2.0x1.6mm                |
| Mass                                  | 6.9mg                    |

2 of 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.





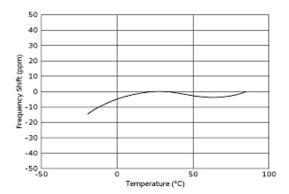
Note: This datasheet may be out of date. Please download the latest datasheet of XRCGB24M576F3M01R0 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-gb/products/productdetail?partno=XRCGB24M576F3M01R0



# XRCGB24M576F3M01R0





**Temperature Characteristics** 

3 of 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.

