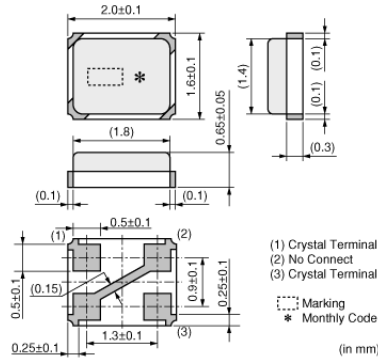


# XRCGB24M000F3M13R0

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
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## Packaging Information

Packaging	Specifications	Minimum Order 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.

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## Specifications

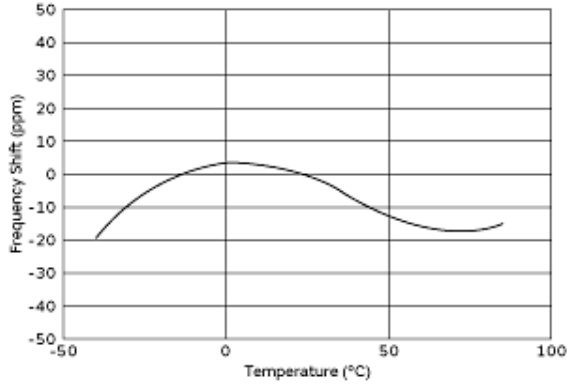
Type	HCR2016
Frequency	24.0000MHz
Frequency Tolerance	±30ppm max. (25±3°C)
Operating Temperature Range	-30°C to 85°C
Frequency Shift by Temperature	±40ppm max.
Frequency Aging	±5ppm max./year
Wash	Not available
Load Capacitance	8.5pF
Equivalent Series Resistance(max.)	120Ω
Drive Level(max.)	300μW
Shape	SMD
L x W (size)	2.0x1.6mm

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## Product Data



Temperature Characteristics

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