

## XRCGB24M000F3M13R0

In Production RoHS REACH

### 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
Chaoifia	Please refer to Our Website and
Specific	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Note: This datasheet may be out of date.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 XRCGB24M000F3M13R0 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=XRCGB24M000F3M13R0

## Packaging Information

Packaging	Specifications	Standard Packing 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 and 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).

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#### 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	24.0000MHz
Frequency Tolerance	+/-30ppm max. (25+/-3°C)
Operating Temperature Range	-30°C~85°C
Frequency Shift by Temperature	+/-40ppm max.
Frequency Aging	+/-5ppm max./year
Equivalent Series Resistance (ESR)	120ohm max.
Drive Level (DL)	150µW (300µW max.)
Load Capacitance (Cs)	8.5pF
Shape	SMD
Wash	Not available
L x W (size)	2.0x1.6mm
Mass	6.9mg

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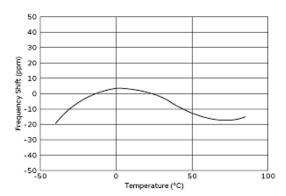
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**Temperature Characteristics** 

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