

Note: This datasheet may be out of date. Please download the latest datasheet of XRCGB30M000F0L00R0 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=XRCGB30M000F0L00R0

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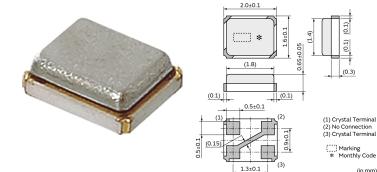


Applications

| Unsuitable | Please be sure to read and comply with | |
|-----------------------|--|--|
| Applications | these "Precautions for use." | |
| Specific Applications | Consumer equipment,Industrial equipment except for transportation & facility & energy equipment,Medical equipment [GHTF A/B],Mobile Electronics 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 Packing 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).

1 of 3

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(in mm)

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 | 30.0000MHz |
| Frequency Tolerance | +/-100ppm max. (25+/-3°C) |
| Operating Temperature Range | -30°C~85°C |
| Frequency Shift by Temperature | +/-50ppm max. |
| Frequency Aging | +/-50ppm max. |
| Equivalent Series 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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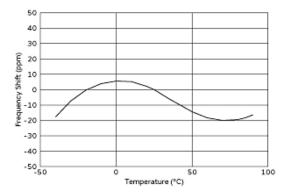
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Temperature Characteristics

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