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http://www.murata.com/en-us/products/productdetail?partno=XRCGB32M000F2N13R0

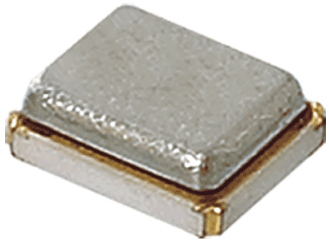
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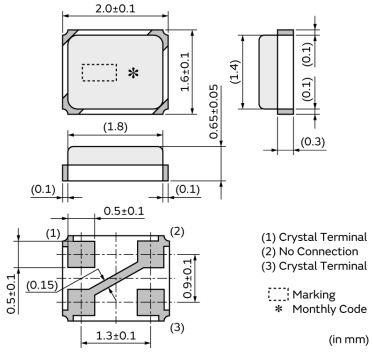
In Production RoHS REACH

Applications

Unsuitable Applications	Please be sure to read and comply with 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-ATAand 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).

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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XRCGB32M000F2N13R0

Specifications

Product Type	Crystal Unit
Series	XRCGB
Type	HCR2016
Frequency	32.0000MHz
Frequency Tolerance	+/-20ppm max. (25+/-3℃)
Operating Temperature Range	-40℃~85℃
Frequency Shift by Temperature	+/-30ppm max.
Frequency Aging	+/-5ppm max./year
Equivalent Series Resistance (ESR)	60ohm max.
Drive Level (DL)	150μW (300μW max.)
Load Capacitance (Cs)	10pF
Shape	SMD
Wash	Not available
L x W (size)	2.0x1.6mm
Mass	6.9mg

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