

XRCGB27M000F3A00R0

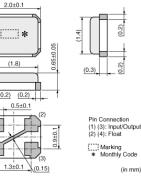
In Production AEC-Q200 RoHS REACH

### Applications

Unsuitable	Please be sure to read and comply with
Applications	these "Precautions for use."
Specific Applications	Automotive powertrain/safety equipment
	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





Note: This datasheet may be out of date. Please download the latest datasheet of XRCGB27M000F3A00R0 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=XRCGB27M000F3A00R0

### Packaging Information

Packaging	Specifications	Standard Packing Quantity
R0	180mm Plastic Tape	3000



The crystal unit for automotive electronics 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 unit.

#### Features

1. The series has high reliability and is available for a wide temperature range.

2.The crystal unit is small size (2.0 x 1.6 x 0.7 (mm)), and contribute to reduction in mounting area.

3.The series complies to RoHS and ELV directives, being lead-free (phase 3).

4.The series complies to AEC-Q200.

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





XRCGB27M000F3A00R0

Note: This datasheet may be out of date. Please download the latest datasheet of XRCGB27M000F3A00R0 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=XRCGB27M000F3A00R0

### Specifications

Product Type	Crystal Unit
Series	XRCGB
Туре	HCR2016
Frequency	27.0000MHz
Frequency Tolerance	+/-30ppm max. (25+/-3°C)
Operating Temperature Range	-40°C~125°C
Frequency Shift by Temperature	+/-35ppm max.
Frequency Aging	+/-10ppm max./15years
Equivalent Series Resistance (ESR)	80ohm 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

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.





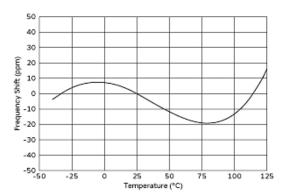
Note: This datasheet may be out of date. Please download the latest datasheet of XRCGB27M000F3A00R0 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=XRCGB27M000F3A00R0

# INNOVATOR IN ELECTRONICS

## XRCGB27M000F3A00R0





**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.

