

Product Search Data Sheet

XRCGB27M120F0L00R0

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
Specific	Please refer to Our Website and
Applications	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Note: This datasheet may be out of date.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 XRCGB27M120F0L00R0 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-sg/products/productdetail?partno=XRCGB27M120F0L00R0

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 ul 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).

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





XRCGB27M120F0L00R0

Note: This datasheet may be out of date. Please download the latest datasheet of XRCGB27M120F0L00R0 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-sg/products/productdetail?partno=XRCGB27M120F0L00R0

Specifications

Product Type	Crystal Unit
Series	XRCGB
Туре	HCR2016
Frequency	27.1200MHz
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)	150ohm 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.



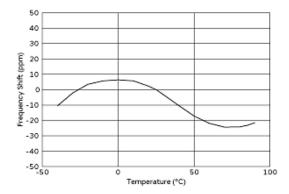


Note: This datasheet may be out of date. Please download the latest datasheet of XRCGB27M120F0L00R0 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-sg/products/productdetail?partno=XRCGB27M120F0L00R0

XRCGB27M120F0L00R0





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.

