muRata
INNOVATOR IN ELECTRONICS

Product Search Data Sheet

Note: This datasheet may be out of date.
Please download the latest datasheet of XRCGB27M000FAN16R0 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=XRCGB27M000FAN16R0

XRCGB27M000FAN16R0

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

(in mm)

(1) Crystal Terminal
(2) No Connection
(3) Crystal Terminal

Marking
✳ Monthly Code

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.
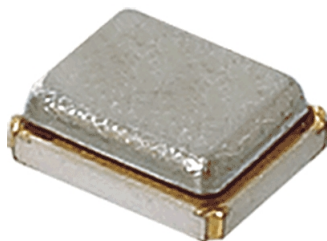
Features
1. The series is available in the applications to be necessary for high accuracy resonator. Especially, it is the best for the communication clocks such as S-ATA and USB2.0.
2. The resonator is extremely small size (2.0 x 1.6 x 0.7 (mm)) , and contribute to reduction in mounting area.
3. The series complies to RoHS directive, being lead-free (phase 3).

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URL : https://www.murata.com/

Last updated04/29/2024

XRCGB27M000FAN16R0

Specifications

Product Type	Crystal Unit
Series	XRCGB
Type	HCR2016
Frequency	27.0000MHz
Frequency Tolerance	+/-25ppm max. (25+/-3℃)
Operating Temperature Range	-10℃~70℃
Frequency Shift by Temperature	+/-25ppm max.
Frequency Aging	+/-5ppm max./year
Equivalent Series Resistance (ESR)	90ohm max.
Drive Level (DL)	150µW (600µW max.)
Load Capacitance (Cs)	12pF
Shape	SMD
Wash	Not available
L x W (size)	2.0x1.6mm
Mass	6.9mg

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Product Data
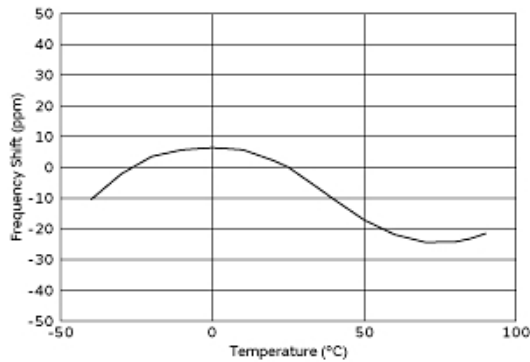
Temperature Characteristics

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Last updated 04/29/2024