

● In Production

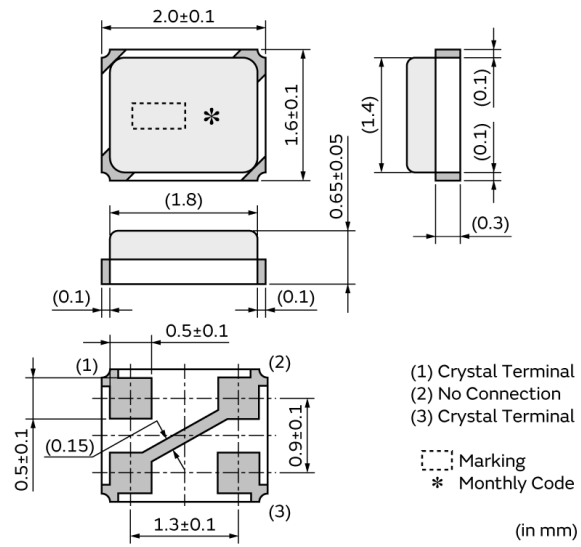
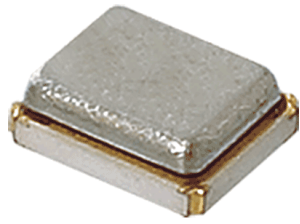
XRCGB27M12OF3M10R0



Applications

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



L x W (size)

2.0×1.6mm

Specifications

Series	XRCGB
Frequency	27.120MHz
Frequency Tolerance	± 30.00 ppm
Operating Temperature	-30~85°C
Frequency Shift by Temperature	± 40 ppm
Frequency Aging	± 5 ppm /year
ESR/R1	80Ω
Drive Level (DL)	150μW (300μW max.)
Load Capacitance (Cs)	10pF
Shape	SMD
Product Type	Crystal Unit
Wash	Not available

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).

■Application Note(agreed with IC Maker)

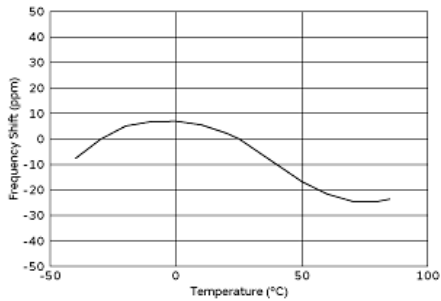
[PN547/NXP Semiconductors](#) 

References

Packaging	Specifications	Standard Packing Quantity
R0	180mm Plastic Tape	3000

Mass(Typ.)	
1 piece	6.9mg

Product Data



Temperature Characteristics

Attention

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's subject to change 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.