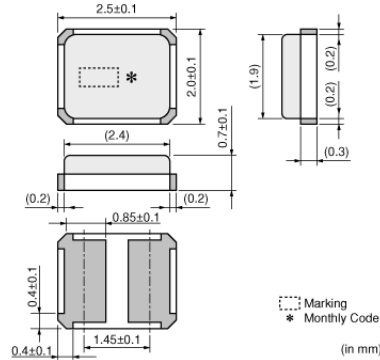


# XRCHA20M000F0A12R0



## Appearance & Shape



## Features

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 (2.5 x 2.0 x 0.8 (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.

## Applications

Automotive Usage	Powertrain/Safety
Other Usage	Automotive

## Packaging Information

Packaging	Specifications	Minimum Order Quantity
R0	180mm Plastic Tape	3000

### Attention

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, its 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.

# XRCHA20M000F0A12R0

## Specifications

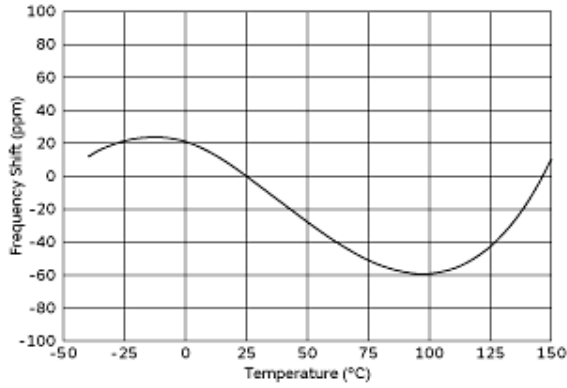
Type	HCR2520
Frequency	20.0000MHz
Frequency Tolerance	±100ppm max. (25±3°C)
Operating Temperature Range	-40°C to 150°C
Frequency Shift by Temperature	±100ppm max.
Frequency Aging	±5ppm max./year
Wash	Not available
Load Capacitance	8pF
Equivalent Series Resistance(max.)	80Ω
Drive Level(max.)	300μW
Shape	SMD
L x W (size)	2.5x2.0mm

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## Product Data



Temperature Characteristics

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