Note: This datasheet may be out of date.
Please download the latest datasheet of XRCHA24M000F0A12R0 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=XRCHA24M000F0A12R0

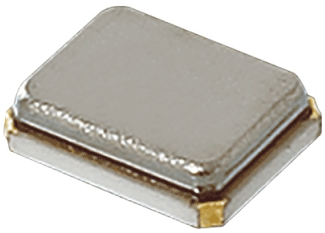
XRCHA24M000F0A12R0

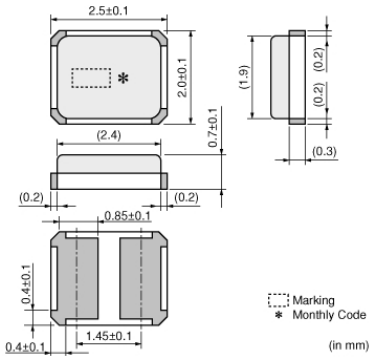
To be discontinued | AEC-Q200 | RoHS | REACH

Applications

Unsuitable Applications	Please be sure to read and comply with 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





Packaging Information

Packaging	Specifications	Standard Packing Quantity
R0	180mm Plastic Tape	3000

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 ccuracy 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.

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Note: This datasheet may be out of date.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 XRCHA24M000F0A12R0 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=XRCHA24M000F0A12R0

XRCHA24M000F0A12R0

Specifications

Product Type	Crystal Unit
Series	XRCHA
Type	HCR2520
Frequency	24.0000MHz
Frequency Tolerance	+/-100ppm max. (25+/-3℃)
Operating Temperature Range	-40℃~150℃
Frequency Shift by Temperature	+/-100ppm max.
Frequency Aging	+/-5ppm max./year
Equivalent Series Resistance (ESR)	80ohm max.
Drive Level (DL)	150μW (300μW max.)
Load Capacitance (Cs)	8pF
Shape	SMD
Wash	Not available
L x W (size)	2.5x2.0mm
Mass	11.3mg

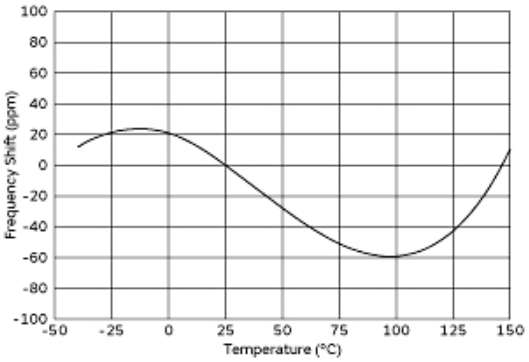
Attention
1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
2.This datasheet 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 XRCHA24M000F0A12R0 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=XRCHA24M000F0A12R0

XRCHA24M000F0A12R0

Product Data



Temperature Characteristics

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.