

Note: This datasheet may be out of date. Please download the latest datasheet of CSTNE12M0GH5C000R0 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-sg/products/productdetail?partno=CSTNE12M0GH5C000R0

# CSTNE12M0GH5C000R0

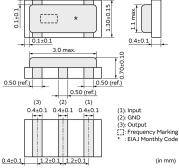


### Applications

Unsuitable	Please be sure to read and comply with
Applications	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

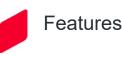




3.20±0.15

## Packaging Information

Packaging	Specifications	Standard Packing Quantity
R0	180mm Embossed Tape	3000



MURATA's frequency adjustment and packaging technology expertise has enabled the development of the chip CERALOCK. This diverse series owes its development to MURATA's original mass production techniques and high reliability, and has achieved importance in the worldwide automotive market.

### Features

1. High accuracy resonators whose total tolerance is available for less than +-3,000ppm.

- 2. High reliability and available for a wide temperature range.
- 3. Oscillation circuits do not require external load capacitors.
- 4. Available for a wide frequency range.
- 5. Extremely small and have a low profile.
- 6. No adjustment is necessary for oscillation circuits.

7. Stable supply is ensured due to not using precious metal(Palladium).

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#### 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





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# CSTNE12M0GH5C000R0

## Specifications

Product Type	Ceramic Resonator (CERALOCK)
Series	CSTNE_GH5C
Frequency	12.000MHz
Frequency Tolerance	+/-0.07% max.
Operating Temperature Range	-40°C~125°C
Frequency Shift by Temperature	+/-0.13% max.
Frequency Aging	+/-0.07% max.
Resonant Impedance (R1)	30ohm max.
Built-in Load Capacitance (CL1/CL2)	33pF
Shape	SMD
Wash	available
L x W (size)	3.2x1.3mm
Mass	11.73mg

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