

# CSTNE12M0G520000R0

In Production

Recommended

RoHS

REACH

## Applications

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

## Packaging Information

Packaging	Specifications	Standard Packing Quantity
R0	180mm Embossed Tape	3000

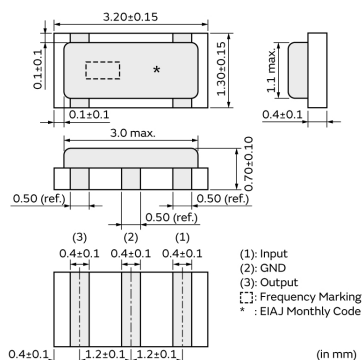
## Features

MURATA's package technology expertise has enabled the development of the Chip CERALOCK. High-density mounting is made possible by the small package and the elimination of the need for an external load capacitor.

### Features

1. Oscillation circuits do not require external load capacitors.
2. Available for a wide frequency range.
3. Extremely small and have a low profile.
4. No adjustment is necessary for oscillation circuits.
5. Stable supply is ensured due to not using precious metal(Palladium).

## Appearance & Shape



### 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.

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## Specifications

Product Type	Ceramic Resonator (CERALOCK)
Series	CSTNE_G
Frequency	12.000MHz
Frequency Tolerance	+/-0.50% max.
Operating Temperature Range	-40°C~85°C
Frequency Shift by Temperature	+/-0.20% max.
Frequency Aging	+/-0.10% max.
Resonant Impedance (R1)	30ohm max.
Built-in Load Capacitance (CL1/CL2)	10pF
Shape	SMD
Wash	Not available
L x W (size)	3.2x1.3mm
Mass	11.73mg

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