

#### Product Search Data Sheet

Note: This datasheet may be out of date.

Please download the latest datasheet of CSTCE12M0G15L12-R0 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-gb/products/productdetail?partno=CSTCE12M0G15L12-R0

# CSTCE12M0G15L12-R0









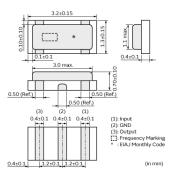
### **Applications**

| Unsuitable               | Please be sure to read and comply with     |  |
|--------------------------|--|--|
| Applications             | these "Precautions for use."               |  |
| Specific<br>Applications | Consumer 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<br>Packing<br>Quantity |
|-----------------------------|----------------|---------------------------------|
| R0 180mm Embossed Tape 3000 |                | 3000                            |



### **Features**

MURATA's frequency adjustment and packaging 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.

1 of 2

#### 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.

 $2. This \ data{sheet has only typical specifications because there is no \ space for \ detailed \ specifications.}$ 

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<br>(CERALOCK) |
|-------------------------------------|---------------------------------|
| Series                              | CSTCE_G_L                       |
| Frequency                           | 12.000MHz                       |
| Frequency Tolerance                 | +/-0.10% max.                   |
| Operating Temperature Range         | 0°C~70°C                        |
| Frequency Shift by Temperature      | +/-0.08% max.                   |
| Frequency Aging                     | +/-0.07% max.                   |
| Resonant Impedance (R1)             | 30ohm max.                      |
| Built-in Load Capacitance (CL1/CL2) | 33pF                            |
| Shape                               | SMD                             |
| Wash                                | Not available                   |
| L x W (size)                        | 3.2x1.3mm                       |
| Mass                                | 11mg                            |

2 of 2

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