Note: This datasheet may be out of date

Please download the latest datasheet of CSTNE12M0G55A000R0 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=CSTNE12M0G55A000R0

## CSTNE12M0G55A000R0







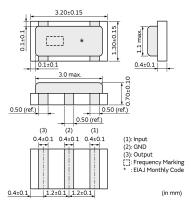






## Appearance & Shape







### **Features**

MURATA's package technology expertise has enabled the development of the Chip CERALOCK(R) with built-in load capacitors.

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



## **Applications**

Automotive Usage	Powertrain/Safety
Other Usage	Automotive



### Packaging Information

Packaging	Specifications	Standard Packing Quantity
R0	180mm Embossed Tape	3000

1 of 2

#### Attention

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- 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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# CSTNE12M0G55A000R0



## **Specifications**

Product Type	Ceramic Resonator	
Froduct Type	(CERALOCK®)	
Series	CSTNE_G_A	
Frequency	12.000MHz	
Frequency Tolerance	+/-0.50% max.	
Operating Temperature	-40°C to 125°C	
Range	-40 C to 125 C	
Frequency Shift by	+/-0.20% max.	
Temperature	+7-0.20% IIIax.	
Frequency Aging	+/-0.10% max.	
Resonant Impedance (R1)	30ohm max.	
Built-in Load Capacitance	33pF	
(CL1/CL2)		
Shape	SMD	
Wash	available	
L x W (size)	3.2x1.3mm	
Mass	10.48mg	

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