



Note: This datasheet may be out of date. Please download the latest datasheet of CSTNE20M0V53C000R0 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-sg/products/productdetail?partno=CSTNE20M0V53C000R0

# CSTNE20M0V53C000R0











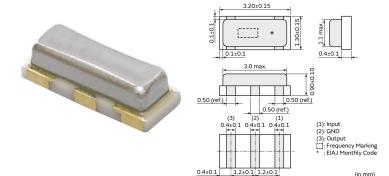


## **Applications**

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





### 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.

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).

1 of 2

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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# **Specifications**

	I o	
Product Type	Ceramic Resonator	
Troduct Type	(CERALOCK)	
Series	CSTNE_V_C	
Frequency	20.000MHz	
Frequency Tolerance	+/-0.50% max.	
Operating Temperature	1000 10500	
Range	-40°C~125°C	
Frequency Shift by	. / 0 450/	
Temperature	+/-0.15% max.	
Frequency Aging	+/-0.10% max.	
Resonant Impedance (R1)	40ohm max.	
Built-in Load Capacitance	45.5	
(CL1/CL2)	15pF	
Shape	SMD	
Wash	available	
L x W (size)	3.2x1.3mm	
Mass	16.972mg	

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