

Product Search Data Sheet

Note: This datasheet may be out of date. Please download the latest datasheet of CSTCE20M0V13C99-R0 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=CSTCE20M0V13C99-R0

CSTCE20M0V13C99-R0



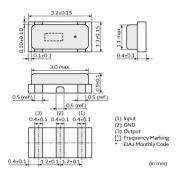






Appearance & Shape







Features

MURATA's frequency adjustment and packaging 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 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.



Applications

Automotive Usage	Powertrain/Safety
Other Usage	Automotive



Packaging Information

Packaging	Specifications	Standard Packing Quantity
R0	180mm Embossed Tape	3000

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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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Specifications

Product Type	Ceramic Resonator	
Product Type	(CERALOCK)	
Series	CSTCE_V_C	
Frequency	20.000MHz	
Frequency Tolerance	+/-0.10% max.	
Operating Temperature	-40°C~125°C	
Range		
Frequency Shift by	+/-0.13% max.	
Temperature	7, 0.10 % High.	
Frequency Aging	+/-0.07% 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	17mg	

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