muRata
INNOVATOR IN ELECTRONICS

Product Search Data Sheet

Note: This datasheet may be out of date.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-gb/products/productdetail?partno=CSTNE20M0V53C000R0
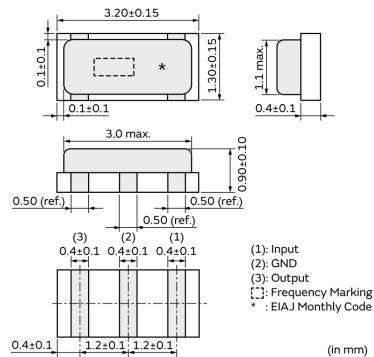
CSTNE20M0V53C000R0

In Production | Recommended | AEC-Q200 | RoHS | REACH

Applications

Unsuitable Applications	Please be sure to read and comply with 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

3.20±0.15
0.1±0.1
1.30±0.15
0.1±0.1
1.1 max.
0.4±0.1

3.0 max.
0.50 (ref.)
0.50 (ref.)
0.50 (ref.)
0.90±0.10

(3)   (2)   (1)
0.4±0.1 0.4±0.1 0.4±0.1

(1): Input
(2): GND
(3): Output
[ ]: Frequency Marking
* : EIAJ Monthly Code

0.4±0.1   1.2±0.1 1.2±0.1

(in mm)

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).

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CSTNE20M0V53C000R0

Specifications

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

URL : https://www.murata.com/

Last updated05/03/2024