

# Ceramic Resonators (CERALOCK®)

Ceramic resonators (CERALOCK®) are made of high stability piezoelectric ceramics that function as a mechanical resonator. At present, CERALOCK® find a broad range of applications such as automotive electronics, communications, personal computing, and medical/healthcare equipment.



« Search Conditions »

cstn(Starting with ...)

| Part Number                                                                   | Frequency | Frequency Tolerance | Frequency Shift by Temperature | Operating Temperature Range | Other Applications  | Shape |
|-------------------------------------------------------------------------------|-----------|---------------------|--------------------------------|-----------------------------|---------------------|-------|
| CSTNE10M0G520000R0<br><small>Under development</small>                        | 10.000MHz | ±0.50%              | ±0.20%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE10M0G52A000R0<br><small>Under development</small>                        | 10.000MHz | ±0.50%              | ±0.20%                         | -40°C to 125°C              | Automotive          | SMD   |
| CSTNE10M0G52Z000R0<br><small>Under development</small>                        | 10.000MHz | ±0.50%              | ±0.20%                         | -40°C to 125°C              | Consumer/Industrial | SMD   |
| CSTNE10M0G550000R0<br><small>In Production</small> <small>Recommended</small> | 10.000MHz | ±0.50%              | ±0.20%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE10M0G55A000R0<br><small>In Production</small> <small>Recommended</small> | 10.000MHz | ±0.50%              | ±0.20%                         | -40°C to 125°C              | Automotive          | SMD   |
| CSTNE10M0G55Z000R0<br><small>In Production</small> <small>Recommended</small> | 10.000MHz | ±0.50%              | ±0.20%                         | -40°C to 125°C              | Consumer/Industrial | SMD   |

**Attention**

1. This catalog 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 catalog 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.

# Ceramic Resonators (CERALOCK®)

| Part Number                                                               | Frequency | Frequency Tolerance | Frequency Shift by Temperature | Operating Temperature Range | Other Applications  | Shape |
|---------------------------------------------------------------------------|-----------|---------------------|--------------------------------|-----------------------------|---------------------|-------|
| CSTNE10M0GH5C000R0<br><span>In Production</span> <span>Recommended</span> | 10.000MHz | ±0.07%              | ±0.13%                         | -40°C to 125°C              | Automotive          | SMD   |
| CSTNE10M0GH5L000R0<br><span>In Production</span> <span>Recommended</span> | 10.000MHz | ±0.07%              | ±0.11%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE11M0G520000R0<br><span>Under development</span>                      | 11.000MHz | ±0.50%              | ±0.20%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE11M2G550000R0<br><span>In Production</span> <span>Recommended</span> | 11.289MHz | ±0.50%              | ±0.20%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE12M0G520000R0<br><span>Under development</span>                      | 12.000MHz | ±0.50%              | ±0.20%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE12M0G52A000R0<br><span>Under development</span>                      | 12.000MHz | ±0.50%              | ±0.20%                         | -40°C to 125°C              | Automotive          | SMD   |
| CSTNE12M0G52Z000R0<br><span>Under development</span>                      | 12.000MHz | ±0.50%              | ±0.20%                         | -40°C to 125°C              | Consumer/Industrial | SMD   |
| CSTNE12M0G550000R0<br><span>In Production</span> <span>Recommended</span> | 12.000MHz | ±0.50%              | ±0.20%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE12M0G55A000R0<br><span>In Production</span> <span>Recommended</span> | 12.000MHz | ±0.50%              | ±0.20%                         | -40°C to 125°C              | Automotive          | SMD   |
| CSTNE12M0G55Z000R0<br><span>In Production</span> <span>Recommended</span> | 12.000MHz | ±0.50%              | ±0.20%                         | -40°C to 125°C              | Consumer/Industrial | SMD   |
| CSTNE12M0GH5C000R0<br><span>In Production</span> <span>Recommended</span> | 12.000MHz | ±0.07%              | ±0.13%                         | -40°C to 125°C              | Automotive          | SMD   |
| CSTNE12M0GH5L000R0<br><span>In Production</span> <span>Recommended</span> | 12.000MHz | ±0.07%              | ±0.11%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE12M2G520000R0<br><span>Under development</span>                      | 12.288MHz | ±0.50%              | ±0.20%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE12M2G550000R0<br><span>In Production</span> <span>Recommended</span> | 12.288MHz | ±0.50%              | ±0.20%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE12M2G55A000R0<br><span>In Production</span> <span>Recommended</span> | 12.288MHz | ±0.50%              | ±0.20%                         | -40°C to 125°C              | Automotive          | SMD   |

## Attention

1. This catalog 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 catalog 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.

# Ceramic Resonators (CERALOCK®)

| Part Number                                                               | Frequency | Frequency Tolerance | Frequency Shift by Temperature | Operating Temperature Range | Other Applications  | Shape |
|---------------------------------------------------------------------------|-----------|---------------------|--------------------------------|-----------------------------|---------------------|-------|
| CSTNE12M2GH5L000R0<br><span>In Production</span> <span>Recommended</span> | 12.288MHz | ±0.07%              | ±0.11%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE12M5G520000R0<br><span>Under development</span>                      | 12.500MHz | ±0.50%              | ±0.20%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE12M5G550000R0<br><span>In Production</span> <span>Recommended</span> | 12.500MHz | ±0.50%              | ±0.20%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE12M5G55A000R0<br><span>In Production</span> <span>Recommended</span> | 12.500MHz | ±0.50%              | ±0.20%                         | -40°C to 125°C              | Automotive          | SMD   |
| CSTNE12M5G55Z000R0<br><span>In Production</span> <span>Recommended</span> | 12.500MHz | ±0.50%              | ±0.20%                         | -40°C to 125°C              | Consumer/Industrial | SMD   |
| CSTNE13M0G520000R0<br><span>Under development</span>                      | 13.000MHz | ±0.50%              | ±0.20%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE13M0G55A000R0<br><span>In Production</span> <span>Recommended</span> | 13.000MHz | ±0.50%              | ±0.20%                         | -40°C to 125°C              | Automotive          | SMD   |
| CSTNE13M5G520000R0<br><span>Under development</span>                      | 13.500MHz | ±0.50%              | ±0.20%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE13M5G550000R0<br><span>In Production</span> <span>Recommended</span> | 13.500MHz | ±0.50%              | ±0.20%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE14M0V510000R0<br><span>Under development</span>                      | 14.000MHz | ±0.50%              | ±0.30%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE14M0V530000R0<br><span>In Production</span> <span>Recommended</span> | 14.000MHz | ±0.50%              | ±0.30%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE14M0V53C000R0<br><span>In Production</span> <span>Recommended</span> | 14.000MHz | ±0.50%              | ±0.15%                         | -40°C to 125°C              | Automotive          | SMD   |
| CSTNE14M3V530000R0<br><span>In Production</span> <span>Recommended</span> | 14.318MHz | ±0.50%              | ±0.30%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE14M7V510000R0<br><span>Under development</span>                      | 14.746MHz | ±0.50%              | ±0.30%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE14M7V530000R0<br><span>In Production</span> <span>Recommended</span> | 14.746MHz | ±0.50%              | ±0.30%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |

## Attention

1. This catalog 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 catalog 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.

# Ceramic Resonators (CERALOCK®)

| Part Number                                                               | Frequency | Frequency Tolerance | Frequency Shift by Temperature | Operating Temperature Range | Other Applications  | Shape |
|---------------------------------------------------------------------------|-----------|---------------------|--------------------------------|-----------------------------|---------------------|-------|
| CSTNE14M7V53C000R0<br><span>In Production</span> <span>Recommended</span> | 14.746MHz | ±0.50%              | ±0.15%                         | -40°C to 125°C              | Automotive          | SMD   |
| CSTNE15M0V530000R0<br><span>In Production</span> <span>Recommended</span> | 15.000MHz | ±0.50%              | ±0.30%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE15M0V53C000R0<br><span>In Production</span> <span>Recommended</span> | 15.000MHz | ±0.50%              | ±0.15%                         | -40°C to 125°C              | Automotive          | SMD   |
| CSTNE16M0V510000R0<br><span>Under development</span>                      | 16.000MHz | ±0.50%              | ±0.30%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE16M0V51C000R0<br><span>Under development</span>                      | 16.000MHz | ±0.50%              | ±0.30%                         | -40°C to 125°C              | Automotive          | SMD   |
| CSTNE16M0V51Z000R0<br><span>Under development</span>                      | 16.000MHz | ±0.50%              | ±0.30%                         | -40°C to 125°C              | Consumer/Industrial | SMD   |
| CSTNE16M0V530000R0<br><span>In Production</span> <span>Recommended</span> | 16.000MHz | ±0.50%              | ±0.30%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE16M0V53C000R0<br><span>In Production</span> <span>Recommended</span> | 16.000MHz | ±0.50%              | ±0.15%                         | -40°C to 125°C              | Automotive          | SMD   |
| CSTNE16M0V53Z000R0<br><span>In Production</span> <span>Recommended</span> | 16.000MHz | ±0.50%              | ±0.30%                         | -40°C to 125°C              | Consumer/Industrial | SMD   |
| CSTNE16M0VH3C000R0<br><span>In Production</span> <span>Recommended</span> | 16.000MHz | ±0.07%              | ±0.13%                         | -40°C to 125°C              | Automotive          | SMD   |
| CSTNE16M0VH3L000R0<br><span>In Production</span> <span>Recommended</span> | 16.000MHz | ±0.07%              | ±0.11%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE16M3V530000R0<br><span>In Production</span> <span>Recommended</span> | 16.384MHz | ±0.50%              | ±0.30%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE16M5V530000R0<br><span>In Production</span> <span>Recommended</span> | 16.500MHz | ±0.50%              | ±0.30%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE16M6V530000R0<br><span>In Production</span> <span>Recommended</span> | 16.670MHz | ±0.50%              | ±0.30%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE16M6V53C000R0<br><span>In Production</span> <span>Recommended</span> | 16.670MHz | ±0.50%              | ±0.15%                         | -40°C to 125°C              | Automotive          | SMD   |

## Attention

1. This catalog 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 catalog 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.

# Ceramic Resonators (CERALOCK®)

| Part Number                                                               | Frequency | Frequency Tolerance | Frequency Shift by Temperature | Operating Temperature Range | Other Applications  | Shape |
|---------------------------------------------------------------------------|-----------|---------------------|--------------------------------|-----------------------------|---------------------|-------|
| CSTNE16M6V53Z000R0<br><span>In Production</span> <span>Recommended</span> | 16.670MHz | ±0.50%              | ±0.30%                         | -40°C to 125°C              | Consumer/Industrial | SMD   |
| CSTNE16M8V530000R0<br><span>In Production</span> <span>Recommended</span> | 16.800MHz | ±0.50%              | ±0.30%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE16M9V530000R0<br><span>In Production</span> <span>Recommended</span> | 16.934MHz | ±0.50%              | ±0.30%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE16M9V53C000R0<br><span>In Production</span> <span>Recommended</span> | 16.934MHz | ±0.50%              | ±0.15%                         | -40°C to 125°C              | Automotive          | SMD   |
| CSTNE16M9V53Z000R0<br><span>In Production</span> <span>Recommended</span> | 16.934MHz | ±0.50%              | ±0.30%                         | -40°C to 125°C              | Consumer/Industrial | SMD   |
| CSTNE17M0V530000R0<br><span>In Production</span> <span>Recommended</span> | 17.000MHz | ±0.50%              | ±0.30%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE17M2V530000R0<br><span>In Production</span> <span>Recommended</span> | 17.200MHz | ±0.50%              | ±0.30%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE18M0V510000R0<br><span>Under development</span>                      | 18.000MHz | ±0.50%              | ±0.30%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE18M0V530000R0<br><span>In Production</span> <span>Recommended</span> | 18.000MHz | ±0.50%              | ±0.30%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE18M0VH3C000R0<br><span>In Production</span> <span>Recommended</span> | 18.000MHz | ±0.07%              | ±0.13%                         | -40°C to 125°C              | Automotive          | SMD   |
| CSTNE18M4V530000R0<br><span>In Production</span> <span>Recommended</span> | 18.432MHz | ±0.50%              | ±0.30%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE18M4V53C000R0<br><span>In Production</span> <span>Recommended</span> | 18.432MHz | ±0.50%              | ±0.15%                         | -40°C to 125°C              | Automotive          | SMD   |
| CSTNE18M4V53Z000R0<br><span>In Production</span> <span>Recommended</span> | 18.432MHz | ±0.50%              | ±0.30%                         | -40°C to 125°C              | Consumer/Industrial | SMD   |
| CSTNE18M7V530000R0<br><span>In Production</span> <span>Recommended</span> | 18.750MHz | ±0.50%              | ±0.30%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE19M2V530000R0<br><span>In Production</span> <span>Recommended</span> | 19.200MHz | ±0.50%              | ±0.30%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |

## Attention

1. This catalog 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 catalog 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.

# Ceramic Resonators (CERALOCK®)

| Part Number                                                               | Frequency | Frequency Tolerance | Frequency Shift by Temperature | Operating Temperature Range | Other Applications  | Shape |
|---------------------------------------------------------------------------|-----------|---------------------|--------------------------------|-----------------------------|---------------------|-------|
| CSTNE19M2VH3L000R0<br><span>In Production</span> <span>Recommended</span> | 19.200MHz | ±0.07%              | ±0.11%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE19M6V510000R0<br><span>Under development</span>                      | 19.660MHz | ±0.50%              | ±0.30%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE19M6V530000R0<br><span>In Production</span> <span>Recommended</span> | 19.660MHz | ±0.50%              | ±0.30%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE19M8V530000R0<br><span>In Production</span> <span>Recommended</span> | 19.800MHz | ±0.50%              | ±0.30%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE20M0V510000R0<br><span>Under development</span>                      | 20.000MHz | ±0.50%              | ±0.30%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE20M0V51C000R0<br><span>Under development</span>                      | 20.000MHz | ±0.50%              | ±0.30%                         | -40°C to 125°C              | Automotive          | SMD   |
| CSTNE20M0V51Z000R0<br><span>Under development</span>                      | 20.000MHz | ±0.50%              | ±0.30%                         | -40°C to 125°C              | Consumer/Industrial | SMD   |
| CSTNE20M0V530000R0<br><span>In Production</span> <span>Recommended</span> | 20.000MHz | ±0.50%              | ±0.30%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE20M0V53C000R0<br><span>In Production</span> <span>Recommended</span> | 20.000MHz | ±0.50%              | ±0.15%                         | -40°C to 125°C              | Automotive          | SMD   |
| CSTNE20M0V53Z000R0<br><span>In Production</span> <span>Recommended</span> | 20.000MHz | ±0.50%              | ±0.30%                         | -40°C to 125°C              | Consumer/Industrial | SMD   |
| CSTNE20M0VH3C000R0<br><span>In Production</span> <span>Recommended</span> | 20.000MHz | ±0.07%              | ±0.13%                         | -40°C to 125°C              | Automotive          | SMD   |
| CSTNE20M0VH3L000R0<br><span>In Production</span> <span>Recommended</span> | 20.000MHz | ±0.07%              | ±0.11%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE8M00G520000R0<br><span>Under development</span>                      | 8.000MHz  | ±0.50%              | ±0.20%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE8M00G52A000R0<br><span>Under development</span>                      | 8.000MHz  | ±0.50%              | ±0.20%                         | -40°C to 125°C              | Automotive          | SMD   |
| CSTNE8M00G52Z000R0<br><span>Under development</span>                      | 8.000MHz  | ±0.50%              | ±0.20%                         | -40°C to 125°C              | Consumer/Industrial | SMD   |

## Attention

1. This catalog 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 catalog 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.

# Ceramic Resonators (CERALOCK®)

| Part Number                                                               | Frequency | Frequency Tolerance | Frequency Shift by Temperature | Operating Temperature Range | Other Applications  | Shape |
|---------------------------------------------------------------------------|-----------|---------------------|--------------------------------|-----------------------------|---------------------|-------|
| CSTNE8M00G550000R0<br><span>In Production</span> <span>Recommended</span> | 8.000MHz  | ±0.50%              | ±0.20%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE8M00G55A000R0<br><span>In Production</span> <span>Recommended</span> | 8.000MHz  | ±0.50%              | ±0.20%                         | -40°C to 125°C              | Automotive          | SMD   |
| CSTNE8M00G55Z000R0<br><span>In Production</span> <span>Recommended</span> | 8.000MHz  | ±0.50%              | ±0.20%                         | -40°C to 125°C              | Consumer/Industrial | SMD   |
| CSTNE8M00GH5C000R0<br><span>In Production</span> <span>Recommended</span> | 8.000MHz  | ±0.07%              | ±0.13%                         | -40°C to 125°C              | Automotive          | SMD   |
| CSTNE8M00GH5L000R0<br><span>In Production</span> <span>Recommended</span> | 8.000MHz  | ±0.07%              | ±0.11%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE8M19G550000R0<br><span>In Production</span> <span>Recommended</span> | 8.192MHz  | ±0.50%              | ±0.20%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE8M38G520000R0<br><span>Under development</span>                      | 8.388MHz  | ±0.50%              | ±0.20%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE8M38G52A000R0<br><span>Under development</span>                      | 8.388MHz  | ±0.50%              | ±0.20%                         | -40°C to 125°C              | Automotive          | SMD   |
| CSTNE8M38G550000R0<br><span>In Production</span> <span>Recommended</span> | 8.388MHz  | ±0.50%              | ±0.20%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE8M38G55A000R0<br><span>In Production</span> <span>Recommended</span> | 8.388MHz  | ±0.50%              | ±0.20%                         | -40°C to 125°C              | Automotive          | SMD   |
| CSTNE8M50G550000R0<br><span>In Production</span> <span>Recommended</span> | 8.500MHz  | ±0.50%              | ±0.20%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE9M00G520000R0<br><span>Under development</span>                      | 9.000MHz  | ±0.50%              | ±0.20%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE9M00G550000R0<br><span>In Production</span> <span>Recommended</span> | 9.000MHz  | ±0.50%              | ±0.20%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE9M21G520000R0<br><span>Under development</span>                      | 9.210MHz  | ±0.50%              | ±0.20%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE9M60GH5L000R0<br><span>In Production</span> <span>Recommended</span> | 9.600MHz  | ±0.07%              | ±0.11%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |

## Attention

1. This catalog 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 catalog 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.

# Ceramic Resonators (CERALOCK®)

| Part Number                                                    | Frequency | Frequency Tolerance | Frequency Shift by Temperature | Operating Temperature Range | Other Applications  | Shape |
|----------------------------------------------------------------|-----------|---------------------|--------------------------------|-----------------------------|---------------------|-------|
| CSTNE9M83G52000R0<br><small>Under development</small>          | 9.830MHz  | ±0.50%              | ±0.20%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE9M83GH5L000R0<br><small>In Production Recommended</small> | 9.830MHz  | ±0.07%              | ±0.11%                         | -40°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNE9M84G52A000R0<br><small>Under development</small>         | 9.843MHz  | ±0.50%              | ±0.20%                         | -40°C to 125°C              | Automotive          | SMD   |
| CSTNR4M00GH5C000R0<br><small>In Production Recommended</small> | 4.000MHz  | ±0.07%              | ±0.13%                         | -40°C to 125°C              | Automotive          | SMD   |
| CSTNR4M00GH5L000R0<br><small>In Production Recommended</small> | 4.000MHz  | ±0.07%              | ±0.11%                         | -20°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNR4M91GH5L000R0<br><small>In Production Recommended</small> | 4.915MHz  | ±0.07%              | ±0.11%                         | -20°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNR5M00GH5C000R0<br><small>In Production Recommended</small> | 5.000MHz  | ±0.07%              | ±0.13%                         | -40°C to 125°C              | Automotive          | SMD   |
| CSTNR5M00GH5L000R0<br><small>In Production Recommended</small> | 5.000MHz  | ±0.07%              | ±0.11%                         | -20°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNR6M00GH5C000R0<br><small>In Production Recommended</small> | 6.000MHz  | ±0.07%              | ±0.13%                         | -40°C to 125°C              | Automotive          | SMD   |
| CSTNR6M00GH5L000R0<br><small>In Production Recommended</small> | 6.000MHz  | ±0.07%              | ±0.11%                         | -20°C to 85°C               | Consumer/Industrial | SMD   |
| CSTNR7M37GH5L000R0<br><small>In Production Recommended</small> | 7.370MHz  | ±0.07%              | ±0.11%                         | -20°C to 85°C               | Consumer/Industrial | SMD   |

## Attention

1. This catalog 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 catalog 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.

## Данный компонент на территории Российской Федерации

**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

### Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: [info@moschip.ru](mailto:info@moschip.ru)

Skype отдела продаж:

moschip.ru

moschip.ru\_4

moschip.ru\_6

moschip.ru\_9