

# CSALS20M0X53-B0



## Applications

Unsuitable Applications	Please be sure to read and comply with these "Precautions for use."
Specific Applications	Consumer 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
B0	Bulk	500

## Features

MURATA's ceramic resonator, CERALOCK has been widely applied as the most suitable component for clock oscillators in a broad range of microprocessors.

### Features

1. Stable over a wide temperature range.
2. Compact, lightweight and exhibit superior shock resistance performance.
3. Cost-effective and reliable availability.

### Attention

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, its 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

Product Type	Ceramic Resonator (CERALOCK)
Series	CSALS_X
Frequency	20.000MHz
Frequency Tolerance	+/-0.50% max.
Operating Temperature Range	-20°C~80°C
Frequency Shift by Temperature	+/-0.20% max.
Frequency Aging	+/-0.20% max.
Resonant Impedance (R1)	50ohm max.
Shape	Lead
Wash	Not available
L x W (size)	6.5x7.0mm
Mass	137mg

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