

Product Search Data Sheet

Note: This datasheet may be out of date. Please download the latest datasheet of CSTLS20M0X51Z-B0 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-gb/products/productdetail?partno=CSTLS20M0X51Z-B0

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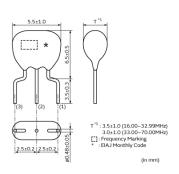
Applications

Unsuitable	Please be sure to read and comply with	
Applications	these "Precautions for use."	
Specific Applications	Consumer equipment,Industrial equipment except for transportation & facility & energy equipment,Medical equipment [GHTF A/B],Mobile Electronics 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
В0	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.

The CSTLS series can be used in the design of oscillation circuits not requiring external load capacitors, enabling both high-density mounting and cost reduction.

Features

- 1. Oscillation circuits do not require external load capacitors. There is some variation in capacitance values applicable to various IC.
- 2. Stable over a wide temperature range.
- 3. Compact, lightweight and exhibit superior shock resistance performance.
- 4. Enable the design of oscillator circuits requiring no adjustment.
- 5. Cost-effective and reliable availability.

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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

	Ceramic Resonator	
Product Type	(CERALOCK)	
Series	CSTLS_X	
Frequency	20.000MHz	
Frequency Tolerance	+/-0.50% max.	
Operating Temperature	-40°C~125°C	
Range	1-40 C-120 C	
Frequency Shift by	+/-0.20% max.	
Temperature	7-0.20% Illax.	
Frequency Aging	+/-0.20% max.	
Resonant Impedance (R1)	50ohm max.	
Built-in Load Capacitance	55	
(CL1/CL2)	5pF	
Shape	Lead	
Wash	Not available	
L x W (size)	6.5x7.0mm	
Mass	196.7mg	

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