

### **Product Search Data Sheet**

Note: This datasheet may be out of date. Please download the latest datasheet of CSTLS4M00G56-A0 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-gb/products/productdetail?partno=CSTLS4M00G56-A0

# CSTLS4M00G56-A0











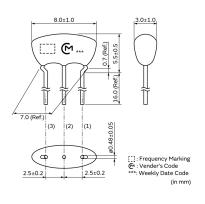
### **Applications**

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
A0	Ammo Pack	2000



### **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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# CSTLS4M00G56-A0



# **Specifications**

Frequency 4.000MHz  Frequency Tolerance +/-0.50% max.  Operating Temperature -20°C~80°C  Frequency Shift by Temperature -0.40 to +0.20%  Frequency Aging +/-0.20% max.  Resonant Impedance (R1) 30ohm max.  Built-in Load Capacitance (CL1/CL2) 47pF  Shape Lead  Wash Not available  L x W (size) 9.0x6.0mm			
Series CSTLS_G  Frequency 4.000MHz  Frequency Tolerance +/-0.50% max.  Operating Temperature -20°C~80°C  Frequency Shift by Temperature -0.40 to +0.20%  Frequency Aging +/-0.20% max.  Resonant Impedance (R1) 30ohm max.  Built-in Load Capacitance (CL1/CL2)  Shape Lead  Wash Not available  L x W (size) 9.0x6.0mm	Draduot Type	Ceramic Resonator	
Frequency 4.000MHz  Frequency Tolerance +/-0.50% max.  Operating Temperature Range -20°C~80°C  Frequency Shift by -0.40 to +0.20%  Frequency Aging +/-0.20% max.  Resonant Impedance (R1) 30ohm max.  Built-in Load Capacitance (CL1/CL2) 47pF  Shape Lead  Wash Not available  L x W (size) 9.0x6.0mm	Product Type	(CERALOCK)	
Frequency Tolerance +/-0.50% max.  Operating Temperature	Series	CSTLS_G	
Operating Temperature Range Frequency Shift by Temperature Frequency Aging  +/-0.20% max.  Resonant Impedance (R1)  Built-in Load Capacitance (CL1/CL2)  Shape  Lead  Wash  Not available  L x W (size)  -20°C~80°C  -0.40 to +0.20%  47.0.20%  -0.40 to +0.20%  Lead  Not available	Frequency	4.000MHz	
Range Frequency Shift by Temperature  Frequency Aging  +/-0.20% max.  Resonant Impedance (R1)  Built-in Load Capacitance (CL1/CL2)  Shape  Lead  Wash  Not available  L x W (size)  -0.40 to +0.20%  47.0.20%  Frequency Aging  +/-0.20% max.  47.0.20%  And  And  And  And  And  And  And  An	Frequency Tolerance	+/-0.50% max.	
Range Frequency Shift by Temperature  Frequency Aging  +/-0.20% max.  Resonant Impedance (R1)  30ohm max.  Built-in Load Capacitance (CL1/CL2)  Shape  Lead  Wash  Not available  L x W (size)  9.0x6.0mm	Operating Temperature	-20°C~80°C	
Temperature         -0.40 to +0.20%           Frequency Aging         +/-0.20% max.           Resonant Impedance (R1)         30ohm max.           Built-in Load Capacitance (CL1/CL2)         47pF           Shape         Lead           Wash         Not available           L x W (size)         9.0x6.0mm	Range		
Temperature  Frequency Aging +/-0.20% max.  Resonant Impedance (R1) 30ohm max.  Built-in Load Capacitance (CL1/CL2) 47pF  Shape Lead  Wash Not available  L x W (size) 9.0x6.0mm	Frequency Shift by	0.4040.000/	
Resonant Impedance (R1) 30ohm max.  Built-in Load Capacitance (CL1/CL2) 47pF  Shape Lead  Wash Not available  L x W (size) 9.0x6.0mm	Temperature	-0.40 to +0.20%	
Built-in Load Capacitance (CL1/CL2)         47pF           Shape         Lead           Wash         Not available           L x W (size)         9.0x6.0mm	Frequency Aging	+/-0.20% max.	
(CL1/CL2)         47pF           Shape         Lead           Wash         Not available           L x W (size)         9.0x6.0mm	Resonant Impedance (R1)	30ohm max.	
(CL1/CL2)            Shape         Lead           Wash         Not available           L x W (size)         9.0x6.0mm	Built-in Load Capacitance	47nF	
Wash Not available L x W (size) 9.0x6.0mm	(CL1/CL2)	T7 P1	
L x W (size) 9.0x6.0mm	Shape	Lead	
	Wash	Not available	
Mass 126mg	L x W (size)	9.0x6.0mm	
	Mass	126mg	

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