

### Product Search Data Sheet

Note: This datasheet may be out of date.

Please download the latest datasheet of CLB09B5101K1000TC1 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-sg/products/productdetail?partno=CLB09B5101K1000TC1

# CLB09B5101K1000TC1









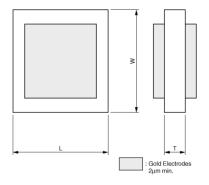
### **Applications**

Unsuitable	Please be sure to read and comply with	
Applications	these "Precautions for use."	
	Consumer equipment,Industrial	
	Equipment,Mobile Electronics	
	Please refer to Our Website and	
	specifications, etc. for information about	
Specific	the performance, functions, quality,	
Applications	management, and safety required for	
	the above applications, and use	
	Products after confirming the	
	performance and reliability of the actual	
	Product.	
Recommended Applications	Consumer equipment,Router,Wi-Fi	
	Router,Optical Backbone network,	
	Optical Module, Mobile Electronics, Base	
	Station,RF Power Amplifier,Industrial	
	Equipment	



### Appearance & Shape







### **Features**

- Fine grained high-density ceramic dielectric, pure gold electrode and simple single layer structure provide very reliable performance and excellent frequency characteristics.
- 2. Awide selection of sizes from very miniature 0.25mm square is suited to high-density mounting.
- 3. For compatibility with the gold electrodes, die bonding with Au-Sn is possible and wire bonding with gold wire is possible.
- 4. To improve handling of bonding, Au-Sn coating is available on one side or both sides.
- 5. Custom made type (dimensions, cap. values, etc.) are also available upon request.

### **Applications**

- 1. Microwave Integrated Circuits
- 2. Microwave Devices
- 3. Optical Devices
- 4. Measuring Equipments

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#### Attention

- 1. This datasheet 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 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**

Shape	SMD
Operating Temperature Range	-55°C to 125°C
L x W (size)	L 0.90 X W 0.90mm
Thickness	0.145mm
Rated Voltage	100Vdc
Capacitance (25°C)	100pF
Capacitance Tolerance	±10%
Temperature Characteristics (-25 to 85°C)	±10%
Withstanding Voltage	250Vdc
Resistance	25°C: 100000MΩmin.

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