

### 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Note: This datasheet may be out of date.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-gb/products/productdetail?partno=CLB09B5101K1000TC1

# CLB09B5101K1000TC1









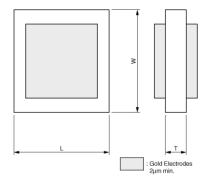
## **Applications**

| 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<br>Applications | Consumer equipment,Router,Wi-Fi            |
|                             | Router,Optical Backbone network,           |
|                             | Optical Module, Mobile Electronics, Base   |
|                             | Station,RF Power Amplifier,Industrial      |
|                             | Equipment                                  |



## Appearance & Shape







### **Features**

- 1. 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

1 of 2

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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**

| Shape                                     | SMD                |
|---|--------------------|
| Operating Temperature<br>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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