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Please download the latest datasheet of CLB0B6U0R8B1000TC1 from the official website of Murata Manufacturing Co., Ltd.

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# CLB0B6U0R8B1000TC1









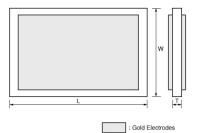
## **Applications**

| Unsuitable                  | Dlease he sure to read and comply with     |  |
|-----------------------------|--------------------------------------------|--|
| Unsulable                   | 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**

- 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

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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





### Product Search Data Sheet

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# **Specifications**

| Shape                                     | SMD                |
|-------------------------------------------|--------------------|
| Operating Temperature<br>Range            | -55°C to 125°C     |
| L x W (size)                              | L 0.30 X W 0.25mm  |
| Thickness                                 | 0.1mm              |
| Rated Voltage                             | 100Vdc             |
| Capacitance (25°C)                        | 0.8pF              |
| Capacitance Tolerance                     | ±0.1pF             |
| Temperature Characteristics (-25 to 85°C) | -750±120ppm/°C     |
| Withstanding Voltage                      | 250Vdc             |
| Resistance                                | 25°C: 100000MΩmin. |

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