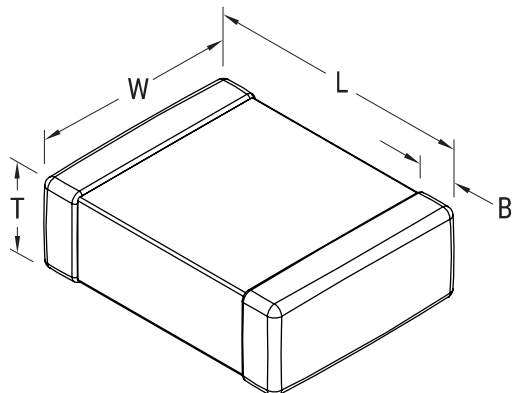


**KEMET Part Number: C1812C102J5GACTU**  
(C1812C102J5GAC7800)

SMD Comm C0G, Ceramic, 1000 pF, 5%, 50 VDC, C0G, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 1812



**Dimensions**

|          |                 |
|----------|-----------------|
| <b>L</b> | 4.5mm +/-0.3mm  |
| <b>W</b> | 3.2mm +/-0.3mm  |
| <b>T</b> | 1mm +/-0.10mm   |
| <b>B</b> | 0.6mm +/-0.35mm |

**Packaging Specifications**

|                            |                          |
|----------------------------|--------------------------|
| <b>Packaging:</b>          | T&R, 180mm, Plastic Tape |
| <b>Packaging Quantity:</b> | 1000                     |

**General Information**

|                       |                                                         |
|-----------------------|---------------------------------------------------------|
| <b>Supplier:</b>      | KEMET                                                   |
| <b>Series:</b>        | SMD Comm C0G                                            |
| <b>Style:</b>         | SMD Chip                                                |
| <b>Description:</b>   | SMD, MLCC, Ultra-Stable, Low Loss, Class I              |
| <b>Features:</b>      | Ultra-Stable, Low Loss, Class I                         |
| <b>RoHS:</b>          | Yes                                                     |
| <b>Termination:</b>   | Tin                                                     |
| <b>Marking:</b>       | No                                                      |
| <b>Miscellaneous:</b> | Note: KEMET 50V rated parts may be operated at 63 Volts |
| <b>Chip Size:</b>     | 1812                                                    |

**Specifications**

|                                         |                     |
|-----------------------------------------|---------------------|
| <b>Capacitance:</b>                     | 1000 pF             |
| <b>Capacitance Tolerance:</b>           | 5%                  |
| <b>Voltage DC:</b>                      | 50 VDC              |
| <b>Dielectric Withstanding Voltage:</b> | 125 V               |
| <b>Temperature Range:</b>               | -55/+125C           |
| <b>Temperature Coefficient:</b>         | C0G                 |
| <b>Dissipation Factor:</b>              | 0.10% 1MHz 25C      |
| <b>Aging Rate:</b>                      | 0% Loss/Decade Hour |
| <b>Insulation Resistance:</b>           | 100 GOhms           |