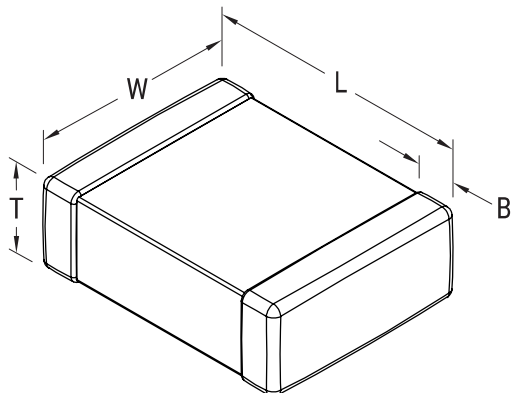


**KEMET Part Number: C1808C100JHGA**  
**CTU**  
(C1808C100JHGA7800)

SMD Comm C0G HV, Ceramic, 10 pF, 5%, 3000 VDC, C0G, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 1808



**Dimensions**

|          |                 |
|----------|-----------------|
| <b>L</b> | 4.7mm +/-0.5mm  |
| <b>W</b> | 2mm +/-0.2mm    |
| <b>T</b> | 1.6mm +/-0.15mm |
| <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 HV                            |
| <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>Chip Size:</b>   | 1808                                       |

**Specifications**

|                                         |                     |
|-----------------------------------------|---------------------|
| <b>Capacitance:</b>                     | 10 pF               |
| <b>Capacitance Tolerance:</b>           | 5%                  |
| <b>Voltage DC:</b>                      | 3000 VDC            |
| <b>Dielectric Withstanding Voltage:</b> | 3,600 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           |