

**KEMET Part Number: C0805C681J1GACTU**  
(C0805C681J1GAC7800)

Ceramic, Commercial-(CxxxxC), 680 pF, 5%, 100 V, 0805, COG, SMD, MLCC, Ultra-Stable, Low Loss, Class I



**General Information**

|                      |  |
|----------------------|--|
| <b>Style:</b>        | SMD Chip                                   |
| <b>Series:</b>       | Commercial-(CxxxxC)                        |
| <b>Chip Size:</b>    | 0805                                       |
| <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>Failure Rate:</b> | N/A  |

**Dimensions**

|          |                  |
|----------|------------------|
| <b>L</b> | 2mm +/-0.2mm     |
| <b>W</b> | 1.25mm +/-0.2mm  |
| <b>T</b> | 0.78mm +/-0.10mm |
| <b>S</b> | 0.75mm MIN       |
| <b>B</b> | 0.5mm +/-0.25mm  |

**Packaging Specifications**

|                            |                        |
|----------------------------|------------------------|
| <b>Packaging:</b>          | T&R, 180mm, Paper Tape |
| <b>Packaging Quantity:</b> | 4000                   |

**Specifications**

|   |                     |
|---|---------------------|
| <b>Capacitance:</b>                     | 680 pF              |
| <b>Capacitance Tolerance:</b>           | 5%                  |
| <b>Voltage DC:</b>                      | 100 VDC             |
| <b>Dielectric Withstanding Voltage:</b> | 250 V               |
| <b>Temperature Range:</b>               | -55/+125C           |
| <b>Temperature Coefficient:</b>         | COG                 |
| <b>Dissipation Factor:</b>              | 0.1%                |
| <b>Aging Rate:</b>                      | 0% Loss/Decade Hour |
| <b>Insulation Resistance:</b>           | 100 GOhms           |