

**KEMET Part Number: C0805C681JCGACTU**  
(C0805C681JCGAC7800)

Capacitor, Ceramic, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 680 pF, +/-5% Tol, 500 V, COG, 0805 (2012 metric)



| General Information      |  |
|--------------------------|--|
| Supplier:                | KEMET                                      |
| Application:             | Standard Chip                              |
| Chip Size:               | 0805 (2012 metric)                         |
| Temperature Coefficient: | COG  |
| Part Type Description:   | SMD, MLCC, Ultra-Stable, Low Loss, Class I |
| Termination Type:        | Tin (Sn)                                   |
| Marked:                  | No   |
| RoHS:                    | Yes  |

| Dimensions (mm) |           |           |
|-----------------|-----------|-----------|
| Symbol          | Dimension | Tolerance |
| L               | 2         | +/-0.2    |
| W               | 1.25      | +/-0.2    |
| T               | 1.25      | +/-0.15   |
| B               | 0.5       | +/-0.25   |
| S               | 0.75      | MIN       |

| Specifications         |                     |
|------------------------|---------------------|
| Capacitance:           | 680 pF              |
| Voltage:               | 500 V               |
| Tolerance:             | +/-5%               |
| Temperature Range:     | -55/+125C           |
| Dissipation Factor:    | 0.1%                |
| Failure Rate:          | N/A                 |
| Aging Rate:            | 0% loss/decade hour |
| Insulation Resistance: | 100 GOhm            |
| Dielectric Strength:   | 750 V               |

| Packaging Specifications |              |
|--------------------------|--------------|
| Package Kind:            | T&R          |
| Package Size:            | 7 in/180 mm  |
| Package Type:            | Plastic Tape |
| Package Quantity:        | 2500         |