

**KEMET Part Number: C1812C104J1GACTU**  
(C1812C104J1GAC7800)

SMD Comm COG, Ceramic, 0.1 uF, 5%, 100 VDC, COG, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 1812



| General Information |  |
|---------------------|--|
| Supplier:           | KEMET                                      |
| Series:             | SMD Comm COG                               |
| Style:              | SMD Chip                                   |
| Description:        | SMD, MLCC, Ultra-Stable, Low Loss, Class I |
| Features:           | Ultra-Stable, Low Loss, Class I            |
| RoHS:               | Yes  |
| Termination:        | Tin  |
| Marking:            | No   |
| Chip Size:          | 1812                                       |

| Dimensions |                  |
|------------|------------------|
| L          | 4.5mm +/-0.3mm   |
| W          | 3.2mm +/-0.3mm   |
| T          | 1.25mm +/-0.15mm |
| B          | 0.6mm +/-0.35mm  |

| Packaging Specifications |                          |
|--------------------------|--------------------------|
| Packaging:               | T&R, 180mm, Plastic Tape |
| Packaging Quantity:      | 1000                     |

| Specifications                   |                     |
|----------------------------------|---------------------|
| Capacitance:                     | 0.1 uF              |
| Capacitance Tolerance:           | 5%                  |
| Voltage DC:                      | 100 VDC             |
| Dielectric Withstanding Voltage: | 250 VDC             |
| Temperature Range:               | -55/+125C           |
| Temperature Coefficient:         | COG                 |
| Dissipation Factor:              | 0.10% 1kHz 25C      |
| Aging Rate:                      | 0% Loss/Decade Hour |
| Insulation Resistance:           | 10 GOhms            |