

## C1812C823G1GACTU

Aliases (C1812C823G1GAC7800)

SMD Comm COG, Ceramic, 0.082 uF, 2%, 100 VDC, COG, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 2.3 mm, 1812 / 4532



Click [here](#) for the 3D model.

### General Information

|                          |  |
|--------------------------|--|
| 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   |
| Typical Component Weight | 67 mg                                      |
| Shelf Life               | 78 Weeks                                   |
| MSL                      | 1  |

### Specifications

|  |                        |
|--|------------------------|
| Capacitance  | 0.082 uF               |
| Measurement Condition  | 1 kHz 1.0Vrms          |
| Tolerance  | 2%                     |
| Voltage DC   | 100 VDC                |
| Dielectric Withstanding Voltage                                    | 250 VDC                |
| Temperature Range  | -55/+125°C             |
| Temp. Coefficient  | COG                    |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 30 ppm/C, 1kHz 1.0Vrms |
| Dissipation Factor   | 0.1% 1 kHz 1.0Vrms     |
| Aging Rate   | 0% Loss/Decade Hour    |
| Insulation Resistance  | 12.1951 GOhms          |

### Dimensions

|                      |                 |
|----------------------|-----------------|
| L                    | 4.5mm +/-0.3mm  |
| W                    | 3.2mm +/-0.3mm  |
| T                    | 1mm +/-0.10mm   |
| S                    | 2.3mm MIN       |
| B                    | 0.6mm +/-0.35mm |
| Case Code (EIA / mm) | 1812 / 4532     |

### Packaging Specifications

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

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