

## C1808X680KHGACTU

Aliases (C1808X680KHGAC7800)

SMD Comm COG HV Flex, Ceramic, 68 pF, 10%, 3,000 VDC, COG, SMD, MLCC, FT-CAP, Ultra-Stable, 1808 / 4520



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

### General Information

|                          |                                 |
|--------------------------|---------------------------------|
| Series                   | SMD Comm COG HV Flex            |
| Style                    | SMD Chip                        |
| Description              | SMD, MLCC, FT-CAP, Ultra-Stable |
| Features                 | FT-CAP, Ultra-Stable            |
| RoHS                     | Yes                             |
| Termination              | Flexible Termination            |
| Marking                  | No                              |
| Typical Component Weight | 81 mg                           |
| Shelf Life               | 78 Weeks                        |
| MSL                      | 1                               |

### Specifications

|  |                           |
|--|---------------------------|
| Capacitance  | 68 pF                     |
| Measurement Condition  | 1 MHz 1.0Vrms             |
| Tolerance  | 10%                       |
| Voltage DC   | 3000 VDC                  |
| Dielectric Withstanding Voltage                                    | 3,600 VDC                 |
| Temperature Range  | -55/+125°C                |
| Temp. Coefficient  | COG                       |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 30 ppm/C, 1MegaHz 1.0Vrms |
| Dissipation Factor   | 0.1% 1 MHz 1.0Vrms        |
| Aging Rate   | 0% Loss/Decade Hour       |
| Insulation Resistance  | 100 GOhms                 |

### Dimensions

|                      |                 |
|----------------------|-----------------|
| L                    | 4.7mm +/-0.5mm  |
| W                    | 2mm +/-0.2mm    |
| T                    | 1.6mm +/-0.15mm |
| S                    | 2.9mm MIN       |
| B                    | 0.7mm +/-0.35mm |
| Case Code (EIA / mm) | 1808 / 4520     |

### Packaging Specifications

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

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