

## C1808X183KBGACTU

Aliases (C1808X183KBGAC7800)

SMD Comm COG HV Flex, Ceramic, 0.018 uF, 10%, 630 VDC, COG, SMD, MLCC, FT-CAP, Ultra-Stable, 1808, 2.9 mm



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                              |
| AEC-Q200                 | No                              |
| Typical Component Weight | 81 mg                           |
| Shelf Life               | 78 Weeks                        |
| MSL                      | 1                               |

### Specifications

|  |                        |
|--|------------------------|
| Capacitance  | 0.018 uF               |
| Measurement Condition  | 1 kHz 1.0Vrms          |
| Tolerance  | 10%                    |
| Voltage DC   | 630 VDC                |
| Dielectric Withstanding Voltage                                    | 819 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  | 55.5556 GOhms          |

### Dimensions

|           |                 |
|-----------|-----------------|
| Chip Size | 1808            |
| L         | 4.7mm +/-0.5mm  |
| W         | 2mm +/-0.2mm    |
| T         | 2mm +/-0.15mm   |
| S         | 2.9mm MIN       |
| B         | 0.7mm +/-0.35mm |

### Packaging Specifications

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

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