

## C1812X331JHGACTU

Aliases (C1812X331JHGAC7800)

SMD Comm COG HV Flex, Ceramic, 330 pF, 5%, 3,000 VDC, COG, SMD, MLCC, FT-CAP, Ultra-Stable, 1812, 2.3 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 | 87 mg                           |
| Shelf Life               | 78 Weeks                        |
| MSL                      | 1                               |

| Dimensions |                 |
|------------|-----------------|
| Chip Size  | 1812            |
| L          | 4.5mm +/-0.4mm  |
| W          | 3.2mm +/-0.3mm  |
| T          | 2.5mm +/-0.20mm |
| S          | 2.3mm MIN       |
| B          | 0.7mm +/-0.35mm |

| Packaging Specifications |                          |
|--------------------------|--------------------------|
| Packaging                | T&R, 180mm, Plastic Tape |
| Packaging Quantity       | 500                      |

| Specifications   |                        |
|--|------------------------|
| Capacitance  | 330 pF                 |
| Measurement Condition  | 1 MHz 1.0Vrms          |
| Tolerance  | 5%                     |
| 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, 1MHz 1.0Vrms |
| Dissipation Factor   | 0.1% 1 MHz 1.0Vrms     |
| Aging Rate   | 0% Loss/Decade Hour    |
| Insulation Resistance  | 100 GOhms              |

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