

## C0603X512J5GACTU

Aliases (C0603X512J5GAC7867)

SMD Comm COG Flex, Ceramic, 5,100 pF, 5%, 50 VDC, COG, SMD, MLCC, FT-CAP, Ultra-Stable, 0603, 0.4 mm



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

### General Information

|                          |                                 |
|--------------------------|---------------------------------|
| Series                   | SMD Comm COG 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 | 4.6 mg                          |
| Shelf Life               | 78 Weeks                        |
| MSL                      | 1                               |

### Specifications

|  |                        |
|--|------------------------|
| Capacitance  | 5,100 pF               |
| Measurement Condition  | 1 kHz 1.0Vrms          |
| Tolerance  | 5%                     |
| Voltage DC   | 50 VDC                 |
| Dielectric Withstanding Voltage                                    | 125 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  | 100 GOhms              |

### Dimensions

|           |                  |
|-----------|------------------|
| Chip Size | 0603             |
| L         | 1.6mm +/-0.17mm  |
| W         | 0.8mm +/-0.15mm  |
| T         | 0.8mm +/-0.15mm  |
| S         | 0.4mm MIN        |
| B         | 0.45mm +/-0.15mm |

### Packaging Specifications

|                    |                        |
|--------------------|------------------------|
| Packaging          | T&R, 180mm, Paper Tape |
| Packaging Quantity | 4000                   |

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