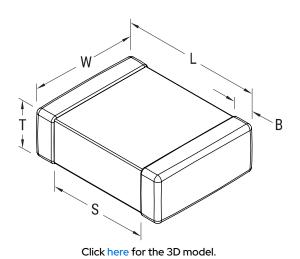


## C0603C431J1GACTU

Aliases (C0603C431J1GAC7867) SMD Comm COG, Ceramic, 430 pF, 5%, 100 VDC, COG, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 0603, 0.5 mm



| General Information      |   |
|--------------------------|---|
| Series                   | SMD Comm COG                                  |
| Style                    | SMD Chip                                      |
| Description              | SMD, MLCC, Ultra-Stable, Low<br>Loss, Class I |
| Features                 | Ultra-Stable, Low Loss, Class I               |
| RoHS                     | Yes   |
| Termination              | Tin   |
| Marking                  | No  |
| AEC-Q200                 | No  |
| Typical Component Weight | 3.7 mg  |
| Shelf Life               | 78 Weeks                                      |
| MSL                      | 1   |

| Dimensions |                  |
|------------|------------------|
| Chip Size  | 0603             |
| L          | 1.6mm +/-0.15mm  |
| W          | 0.8mm +/-0.15mm  |
| T          | 0.8mm +/-0.07mm  |
| S          | 0.5mm MIN        |
| В          | 0.35mm +/-0.15mm |
|            |                  |

| Specifications   |                           |
|--|---------------------------|
| Capacitance  | 430 pF                    |
| Measurement Condition  | 1 MHz 1.0Vrms             |
| Tolerance  | 5%                        |
| Voltage DC   | 100 VDC                   |
| Dielectric Withstanding Voltage  | 250 VDC                   |
| Temperature Range  | -55/+125°C                |
| Temp. Coefficient  | COG                       |
| Capacitance Change with<br>Reference to +25°C and 0 VDC<br>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                 |

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

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