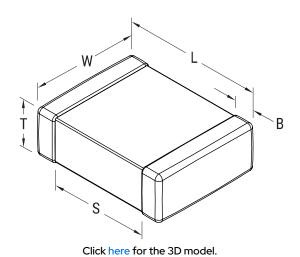


## C0805C511J2GACTU

Aliases (C0805C511J2GAC7800) SMD Comm COG, Ceramic, 510 pF, 5%, 200 VDC, COG, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 0805, 0.7 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 | 11 mg                                         |
| Shelf Life               | 78 Weeks                                      |
| MSL                      | 1                                             |

| Dimensions |                  |
|------------|------------------|
| Chip Size  | 0805             |
| L          | 2mm +/-0.2mm     |
| W          | 1.25mm +/-0.2mm  |
| т          | 0.78mm +/-0.10mm |
| S          | 0.7mm MIN        |
| В          | 0.5mm +/-0.25mm  |
|            |                  |

## Packaging Specifications Packaging T& Packaging Quantity 40

T&R, 180mm, Paper Tape 4000

| Specifications                                                           |                           |
|--------------------------------------------------------------------------|---------------------------|
| Capacitance                                                              | 510 pF                    |
| Measurement Condition                                                    | 1 MHz 1.0Vrms             |
| Tolerance                                                                | 5%                        |
| Voltage DC                                                               | 200 VDC                   |
| Dielectric Withstanding Voltage                                          | 500 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                 |

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute – and we specifically disclaim – any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.