

## C1206C103Z5UACTU

Aliases (C1206C103Z5UAC7800)

SMD Comm Z5U, Ceramic, 0.01 uF, -20/+80%, 50 VDC, Z5U, SMD, MLCC, General Purpose, Class III, 1.5 mm, 1206 / 3216



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

### General Information

|                          |                                       |
|--------------------------|---------------------------------------|
| Series                   | SMD Comm Z5U                          |
| Style                    | SMD Chip                              |
| Description              | SMD, MLCC, General Purpose, Class III |
| Features                 | Class III                             |
| RoHS                     | Yes                                   |
| Termination              | Tin                                   |
| Marking                  | No                                    |
| Typical Component Weight | 17 mg                                 |
| Shelf Life               | 78 Weeks                              |
| MSL                      | 1                                     |

### Specifications

|  |   |
|--|---|
| Capacitance  | 0.01 uF   |
| Measurement Condition  | 1 kHz 1.0Vrms                                   |
| Tolerance  | -20/+80%  |
| Voltage DC   | 50 VDC  |
| Dielectric Withstanding Voltage                                    | 125 VDC   |
| Temperature Range  | +10/+85°C                                       |
| Temp. Coefficient  | Z5U   |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | +22%/-56%, 1kHz 1.0Vrms                         |
| Dissipation Factor   | 4% 1 kHz 1.0Vrms                                |
| Aging Rate   | 7% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance  | 10 GOhms  |

### Dimensions

|                      |                  |
|----------------------|------------------|
| L                    | 3.2mm +/-0.2mm   |
| W                    | 1.6mm +/-0.2mm   |
| T                    | 0.78mm +/-0.10mm |
| S                    | 1.5mm MIN        |
| B                    | 0.5mm +/-0.25mm  |
| Case Code (EIA / mm) | 1206 / 3216      |

### Packaging Specifications

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

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