

## C1206C106Z3VACTU

Aliases (C1206C106Z3VAC7800)

SMD Comm Y5V, Ceramic, 10 uF, -20/+80%, 25 VDC, Y5V, SMD, MLCC, General Purpose, Class III, 1206, 1.5 mm



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

### General Information

|                          |                                       |
|--------------------------|---------------------------------------|
| Series                   | SMD Comm Y5V                          |
| Style                    | SMD Chip                              |
| Description              | SMD, MLCC, General Purpose, Class III |
| Features                 | Class III                             |
| RoHS                     | Yes                                   |
| Termination              | Tin                                   |
| Marking                  | No                                    |
| AEC-Q200                 | No                                    |
| Typical Component Weight | 41 mg                                 |
| Shelf Life               | 78 Weeks                              |
| MSL                      | 1                                     |

### Specifications

|  |   |
|--|---|
| Capacitance  | 10 uF   |
| Measurement Condition  | 120 Hz 0.5Vrms                                |
| Tolerance  | -20/+80%                                      |
| Voltage DC   | 25 VDC  |
| Dielectric Withstanding Voltage                                    | 62.5 VDC                                      |
| Temperature Range  | -30/+85°C                                     |
| Temp. Coefficient  | Y5V   |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | +22%/-82%, 120Hz 0.5Vrms                      |
| Dissipation Factor   | 7% 120 Hz 0.5Vrms                             |
| Aging Rate   | 7% Loss/Decade Hour: Referee Time is 48 Hours |
| Insulation Resistance  | 10 MOhms                                      |

### Dimensions

|           |                 |
|-----------|-----------------|
| Chip Size | 1206            |
| L         | 3.2mm +/-0.2mm  |
| W         | 1.6mm +/-0.2mm  |
| T         | 1.6mm +/-0.20mm |
| S         | 1.5mm MIN       |
| B         | 0.5mm +/-0.25mm |

### Packaging Specifications

|                    |                          |
|--------------------|--------------------------|
| Packaging          | T&R, 180mm, Plastic Tape |
| Packaging Quantity | 2000                     |

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