

## C1206X103KMGE

ESD SMD Comm COG, Ceramic, 0.01 uF, 10%, 63 VDC, COG, SMD, MLCC, Temperature Stable, Electro Static Discharge, Class I, 1206, 1.5 mm



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

### General Information

|                          |  |
|--------------------------|--|
| Series                   | ESD SMD Comm COG   |
| Style                    | SMD Chip   |
| Description              | SMD, MLCC, Temperature Stable, Electro Static Discharge, Class I |
| Features                 | Temperature Stable, Low ESR, Class I                             |
| RoHS                     | Yes  |
| Termination              | Flexible Termination   |
| Marking                  | No   |
| AEC-Q200                 | No   |
| Typical Component Weight | 20 mg  |
| Shelf Life               | 78 Weeks   |
| MSL                      | 1  |

### Specifications

|  |                        |
|--|------------------------|
| Capacitance  | 0.01 uF                |
| Measurement Condition  | 1 kHz 1.0Vrms          |
| Tolerance  | 10%                    |
| Voltage DC   | 63 VDC                 |
| ESD Level per AEC-Q200   | 25,000 V ESD Level     |
| Dielectric Withstanding Voltage                                    | 157.5 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 | 1206            |
| L         | 3.3mm +/-0.4mm  |
| W         | 1.6mm +/-0.35mm |
| T         | 0.9mm +/-0.20mm |
| S         | 1.5mm MIN       |
| B         | 0.6mm +/-0.25mm |

### Packaging Specifications

|                    |           |
|--------------------|-----------|
| Packaging          | Bulk, Bag |
| Packaging Quantity | 1         |

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