

## C1805C103J5RACTM

Aliases (C1805C103J5RAC7025)

SMD Comm X7R, Ceramic, 0.01 uF, 5%, 50 VDC, X7R, SMD, MLCC, Temperature Stable, Class II, 1805, 2.9 mm



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

### General Information

|                          |   |
|--------------------------|---|
| Series                   | SMD Comm X7R                            |
| Style                    | SMD Chip                                |
| Description              | SMD, MLCC, Temperature Stable, Class II |
| Features                 | Temperature Stable, Class II            |
| RoHS                     | Yes                                     |
| Termination              | Tin                                     |
| Marking                  | Yes                                     |
| AEC-Q200                 | No                                      |
| Typical Component Weight | 41 mg                                   |
| Shelf Life               | 78 Weeks                                |
| MSL                      | 1                                       |

### Specifications

|  |   |
|--|---|
| Capacitance  | 0.01 uF   |
| Measurement Condition  | 1 kHz 1.0Vrms                                   |
| Tolerance  | 5%  |
| Voltage DC   | 50 VDC  |
| Dielectric Withstanding Voltage                                    | 125 VDC   |
| Temperature Range  | -55/+125°C                                      |
| Temp. Coefficient  | X7R   |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 15%, 1kHz 1.0Vrms                               |
| Dissipation Factor   | 2.5% 1 kHz 1.0Vrms                              |
| Aging Rate   | 3% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance  | 100 GOhms                                       |

### Dimensions

|           |                  |
|-----------|------------------|
| Chip Size | 1805             |
| L         | 4.5mm +/-0.5mm   |
| W         | 1.27mm +/-0.38mm |
| T         | 0.9mm +/-0.10mm  |
| S         | 2.9mm MIN        |
| B         | 0.6mm +/-0.35mm  |

### Packaging Specifications

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

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