

## C1812C184KARACTU

Aliases (C1812C184KARAC7800)

SMD Comm X7R, Ceramic, 0.18 uF, 10%, 250 VDC, X7R, SMD, MLCC, Temperature Stable, Class II, 1812, 2.3 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                  | No                                      |
| AEC-Q200                 | No                                      |
| Typical Component Weight | 95 mg                                   |
| Shelf Life               | 78 Weeks                                |
| MSL                      | 1                                       |

### Specifications

|                                                                    |                                                 |
|--------------------------------------------------------------------|-------------------------------------------------|
| Capacitance                                                        | 0.18 uF                                         |
| Measurement Condition                                              | 1 kHz 1.0Vrms                                   |
| Tolerance                                                          | 10%                                             |
| Voltage DC                                                         | 250 VDC                                         |
| Dielectric Withstanding Voltage                                    | 625 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% 1kHz 1.0Vrms                               |
| Aging Rate                                                         | 3% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance                                              | 5.5556 GOhms                                    |

### Dimensions

|           |                  |
|-----------|------------------|
| Chip Size | 1812             |
| L         | 4.5mm +/-0.3mm   |
| W         | 3.2mm +/-0.3mm   |
| T         | 1.55mm +/-0.10mm |
| S         | 2.3mm MIN        |
| B         | 0.6mm +/-0.35mm  |

### Packaging Specifications

|                    |                          |
|--------------------|--------------------------|
| Packaging          | T&R, 180mm, Plastic Tape |
| Packaging Quantity | 1000                     |

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