

## C0805J224K5RACTU

Aliases (C0805J224K5RAC7800)

SMD Comm X7R FO, Ceramic, 0.22 uF, 10%, 50 VDC, X7R, SMD, MLCC, Open Mode, Temperature Stable, 0805, 0.6 mm



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

### General Information

|                          |  |
|--------------------------|--|
| Series                   | SMD Comm X7R FO                          |
| Style                    | SMD Chip                                 |
| Description              | SMD, MLCC, Open Mode, Temperature Stable |
| Features                 | Open Mode, Temperature Stable            |
| RoHS                     | Yes                                      |
| Termination              | Flexible Termination                     |
| Marking                  | No                                       |
| AEC-Q200                 | No                                       |
| Typical Component Weight | 21 mg                                    |
| Shelf Life               | 78 Weeks                                 |
| MSL                      | 1  |

### Dimensions

|           |                  |
|-----------|------------------|
| Chip Size | 0805             |
| L         | 2mm +/-0.3mm     |
| W         | 1.25mm +/-0.3mm  |
| T         | 1.25mm +/-0.15mm |
| S         | 0.6mm MIN        |
| B         | 0.5mm +/-0.25mm  |

### Packaging Specifications

|                    |                          |
|--------------------|--------------------------|
| Packaging          | T&R, 180mm, Plastic Tape |
| Packaging Quantity | 2500                     |

### Specifications

|  |   |
|--|---|
| Capacitance  | 0.22 uF   |
| Measurement Condition  | 1 kHz 1.0Vrms                                   |
| Tolerance  | 10%   |
| 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% 1kHz 1.0Vrms                               |
| Aging Rate   | 3% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance  | 2.2727 GOhms                                    |

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