

## C1206X824K5RACTU

Aliases (C1206X824K5RAC7800)

SMD Comm X7R Flex, Ceramic, 0.82 uF, 10%, 50 VDC, X7R, SMD, MLCC, FT-CAP, Temperature Stable, 1206



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

| Dimensions |                 |
|------------|-----------------|
| Chip Size  | 1206            |
| L          | 3.3mm +/-0.4mm  |
| W          | 1.6mm +/-0.35mm |
| T          | 1mm +/-0.20mm   |
| B          | 0.6mm +/-0.25mm |

  

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

| General Information |                                       |
|---------------------|---------------------------------------|
| Series              | SMD Comm X7R Flex                     |
| Style               | SMD Chip                              |
| Description         | SMD, MLCC, FT-CAP, Temperature Stable |
| Features            | FT-CAP, Temperature Stable            |
| RoHS                | Yes                                   |
| Termination         | Flexible Termination                  |
| Marking             | No                                    |
| AEC-Q200            | No                                    |
| Component Weight    | 25 mg                                 |
| Shelf Life          | 78 Weeks                              |
| MSL                 | 1                                     |

| Specifications   |   |
|--|---|
| Capacitance  | 0.82 uF   |
| Measurement Condition  | 1 kHz 1.0Vrms                                   |
| Capacitance Tolerance  | 10%   |
| Voltage DC   | 50 VDC  |
| Dielectric Withstanding Voltage                                    | 125 VDC   |
| Temperature Range  | -55/+125°C                                      |
| Temperature 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  | 609.8 MOhms                                     |

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