

## C0603T333J5RCLTU

Aliases (C0603T333J5RCL7867)

SMD COTS X7R, Ceramic, 0.033 uF, 5%, 50 VDC, X7R, SMD, MLCC, COTS, Temperature Stable, Class II, 0603



Click here for the 3D model.

| Dimensions |                  |
|------------|------------------|
| Chip Size  | 0603             |
| L          | 1.6mm +/-0.15mm  |
| W          | 0.8mm +/-0.15mm  |
| Т          | 0.8mm +/-0.07mm  |
| S          | 0.7mm MIN        |
| В          | 0.35mm +/-0.15mm |

## **Packaging Specifications**

Packaging Packaging Quantity

T&R, 180mm, Paper Tape 4000

| General Information |   |  |
|---------------------|---|--|
| Series              | SMD COTS X7R  |  |
| Style               | SMD Chip  |  |
| Description         | SMD, MLCC, COTS, Temperature Stable, Class II   |  |
| Features            | Temperature Stable, Class II  |  |
| RoHS                | No  |  |
| Prop 65             | A WARNING: Cancer and reproductive harm -<br>http://www.p65warnings.ca.gov.                                 |  |
| Termination         | Lead (SnPb)   |  |
| Marking             | No  |  |
| Failure Rate        | Testing per MIL-PRF-55681 PDA 8%, DPA per EIA-<br>469, Humidity per MIL-STD-202, Method 103,<br>Condition A |  |
| AEC-Q200            | No  |  |
| Component<br>Weight | 4.8 mg  |  |
| Shelf Life          | 78 Weeks  |  |
| MSL                 | 1   |  |

| Specifications  |  |
|---|--|
| Capacitance   | 0.033 uF   |
| Measurement Condition   | 1 kHz 1.0Vrms                                      |
| Capacitance Tolerance   | 5%   |
| Voltage DC  | 50 VDC   |
| Dielectric Withstanding Voltage                                       | 125 VDC  |
| Temperature Range   | -55/+125°C   |
| Temperature Coefficient   | X7R  |
| Capacitance Change with Reference<br>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:<br>Referee Time is 1000 Hours |
| Insulation Resistance   | 30.303 GOhms                                       |

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