

## C1210T226K8RCLTU

Aliases (C1210T226K8RCL7800)

SMD COTS X7R, Ceramic, 22 uF, 10%, 10 VDC, X7R, SMD, MLCC, COTS, Temperature Stable, Class II, 1210



Click here for the 3D model.

| Dimensions |                 |
|------------|-----------------|
| Chip Size  | 1210            |
| L          | 3.2mm +/-0.3mm  |
| W          | 2.5mm +/-0.22mm |
| Т          | 2.5mm +/-0.30mm |
| В          | 0.5mm +/-0.25mm |

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

| General Informati   | ion   |  |
|---------------------|---|--|
| Series              | SMD COTS X7R  |  |
| Style               | SMD Chip  |  |
| Description         | SMD, MLCC, COTS, Temperature Stable, Class II   |  |
| Features            | Temperature Stable, Class II  |  |
| RoHS                | No  |  |
| Prop 65             | ▲ WARNING: Cancer and reproductive harm - http://www.p65warnings.ca.gov.                                    |  |
| SCIP Number         | 2d771165-5336-48a3-96fa-3663929fd828  |  |
| 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 | 135 mg  |  |
| Shelf Life          | 78 Weeks  |  |
| MSL                 | 1   |  |
|                     |   |  |

| Specifications   |  |
|--|--|
| Capacitance  | 22 uF  |
| Measurement Condition  | 120 Hz 0.5Vrms                                     |
| Capacitance Tolerance  | 10%  |
| Voltage DC   | 10 VDC   |
| Dielectric Withstanding Voltage                                    | 25 VDC   |
| Temperature Range  | -55/+125°C   |
| Temperature Coefficient  | X7R  |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 15%, 120Hz 0.5Vrms                                 |
| Dissipation Factor   | 5% 120 Hz 0.5Vrms                                  |
| Aging Rate   | 3% Loss/Decade Hour:<br>Referee Time is 1000 Hours |
| Insulation Resistance  | 22.7 MOhms   |

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