

## C1210T226K9RCLTU

Aliases (C1210T226K9RCL7800)

SMD COTS X7R, Ceramic, 22 uF, 10%, 6.3 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 |
| T         | 2.5mm +/-0.30mm |
| B         | 0.5mm +/-0.25mm |

### Packaging Specifications

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

### 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          | <b>⚠ WARNING:</b> Cancer and reproductive harm - <a href="http://www.p65warnings.ca.gov">http://www.p65warnings.ca.gov</a> . |
| Termination      | Lead (SnPb)  |
| Marking          | No   |
| Failure Rate     | Testing per MIL-PRF-55681 PDA 8%, DPA per EIA-469, Humidity per MIL-STD-202, Method 103, Condition A                         |
| AEC-Q200         | No   |
| Component Weight | 135 mg   |
| Shelf Life       | 78 Weeks   |
| MSL              | 1  |

### Specifications

|  |  |
|--|--|
| Capacitance  | 22 uF  |
| Measurement Condition  | 120 Hz 0.5Vrms                                     |
| Capacitance Tolerance  | 10%  |
| Voltage DC   | 6.3 VDC  |
| Dielectric Withstanding Voltage                                    | 15.75 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   |