

## C0805C121KDRACAUTO

SMD Auto X7R HV, Ceramic, 120 pF, 10%, 1000 VDC, X7R, SMD, MLCC, High Voltage, Temperature Stable, Automotive Grade, 0805



Click here for the 3D model.

| Dimensions | l e e e e e e e e e e e e e e e e e e e |
|------------|---|
| Chip Size  | 0805                                    |
| L          | 2mm +/-0.2mm                            |
| W          | 1.25mm +/-0.2mm                         |
| Т          | 1.25mm +/-0.15mm                        |
| S          | 0.75mm MIN                              |
| В          | 0.5mm +/-0.25mm                         |

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

| General Information |   |
|---------------------|---|
| Series              | SMD Auto X7R HV   |
| Style               | SMD Chip  |
| Description         | SMD, MLCC, High Voltage, Temperature Stable, Automotive Grade |
| Features            | High Voltage, Temp Stable, Automotive Grade                   |
| RoHS                | Yes   |
| Termination         | Tin   |
| Marking             | No  |
| Qualifications      | AEC-Q200  |
| AEC-Q200            | Yes   |
| Component<br>Weight | 21 mg   |
| Shelf Life          | 78 Weeks  |
| MSL                 | 1   |
|                     |   |

| Specifications   |  |
|--|--|
| Capacitance  | 120 pF   |
| Measurement Condition  | 1 kHz 1.0Vrms                                      |
| Capacitance Tolerance  | 10%  |
| Voltage DC   | 1000 VDC   |
| Dielectric Withstanding Voltage                                    | 1200 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% 1 kHz 1.0Vrms                                 |
| Aging Rate   | 3% Loss/Decade Hour:<br>Referee Time is 1000 Hours |
| Insulation Resistance  | 100 GOhms  |

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