



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

| Dimensions |                  |
|------------|------------------|
| Chip Size  | 1206             |
| L          | 3.2mm +/-0.2mm   |
| W          | 1.6mm +/-0.2mm   |
| T          | 1.25mm +/-0.15mm |
| B          | 0.5mm +/-0.25mm  |

  

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

| General Information |   |
|---------------------|---|
| Series              | ESD SMD Auto X7R  |
| Style               | SMD Chip  |
| Description         | SMD, MLCC, Temperature Stable, Electro Static Discharge, Automotive Grade |
| Features            | Temperature Stable, Automotive Grade                                      |
| RoHS                | Yes   |
| Termination         | Tin   |
| Marking             | No  |
| Qualifications      | AEC-Q200  |
| AEC-Q200            | Yes   |
| Component Weight    | 31 mg   |
| Shelf Life          | 78 Weeks  |
| MSL                 | 1   |

| Specifications   |  |
|--|--|
| Capacitance  | 0.1 uF   |
| Measurement Condition  | 1 kHz 1.0Vrms                                      |
| Capacitance Tolerance  | 20%  |
| Voltage DC   | 100 VDC  |
| ESD Level per AEC-Q200   | 25,000 V ESD Level                                 |
| Dielectric Withstanding Voltage                                    | 250 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  | 10 GOhms   |

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