



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

| Dimensions |                 |
|------------|-----------------|
| Chip Size  | 1812            |
| L          | 4.5mm +/-0.4mm  |
| W          | 3.2mm +/-0.3mm  |
| T          | 1mm +/-0.10mm   |
| B          | 0.7mm +/-0.35mm |

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

| General Information |                                     |
|---------------------|-------------------------------------|
| Series              | SMD Auto X7R HV Flex                |
| Style               | SMD Chip                            |
| Description         | SMD, MLCC, FT-CAP, Automotive Grade |
| Features            | FT-CAP, Automotive Grade            |
| RoHS                | Yes                                 |
| Termination         | Flexible Termination                |
| Marking             | No                                  |
| Qualifications      | AEC-Q200                            |
| AEC-Q200            | Yes                                 |
| Component Weight    | 95 mg                               |
| Shelf Life          | 78 Weeks                            |
| MSL                 | 1                                   |

| Specifications   |   |
|--|---|
| Capacitance  | 0.1 uF  |
| Measurement Condition  | 1 kHz 1.0Vrms                                   |
| Capacitance Tolerance  | 10%   |
| Voltage DC   | 500 VDC   |
| Dielectric Withstanding Voltage                                    | 750 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% 1kHz 1.0Vrms                               |
| Aging Rate   | 3% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance  | 1 GOhms   |

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