



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

**Dimensions**

|           |                  |
|-----------|------------------|
| Chip Size | 0805             |
| L         | 2mm +/-0.3mm     |
| W         | 1.25mm +/-0.3mm  |
| T         | 1.25mm +/-0.15mm |
| S         | 0.75mm MIN       |
| B         | 0.5mm +/-0.25mm  |

**Packaging Specifications**

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

**General Information**

|                          |                                  |
|--------------------------|----------------------------------|
| Series                   | SMD Auto X7R HV VW80808          |
| Style                    | SMD Chip                         |
| Description              | SMD, MLCC, Automotive Grade      |
| Features                 | VW 80808 Specification Compliant |
| RoHS                     | Yes                              |
| Termination              | Flexible Termination             |
| Failure Rate             | N/A                              |
| Qualifications           | AEC-Q200                         |
| AEC-Q200                 | Yes                              |
| Typical Component Weight | 21 mg                            |
| Shelf Life               | 152 Weeks                        |

**Specifications**

|  |                       |
|--|-----------------------|
| Capacitance  | 2200 pF               |
| Capacitance Tolerance  | 10%                   |
| Voltage DC   | 630 VDC               |
| Dielectric Withstanding Voltage                                    | 945 VDC               |
| Temperature Range  | -55/+125°C            |
| Temperature Coefficient  | X7R                   |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 15%, 1kHz<br>1.0Vrms  |
| Dissipation Factor   | 2.5% 1 kHz<br>1.0Vrms |
| Insulation Resistance  | 100 GOhms             |

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