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**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 | 25 mg                            |
| Shelf Life               | 152 Weeks                        |

**Specifications**

|                                                                    |                       |
|--------------------------------------------------------------------|-----------------------|
| Capacitance                                                        | 1800 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             |

**Dimensions**

|           |                 |
|-----------|-----------------|
| Chip Size | 1206            |
| L         | 3.3mm +/-0.4mm  |
| W         | 1.6mm +/-0.35mm |
| T         | 1.6mm +/-0.25mm |
| B         | 0.6mm +/-0.25mm |

**Packaging Specifications**

|                    |                          |
|--------------------|--------------------------|
| Packaging          | T&R, 180mm, Plastic Tape |
| Packaging Quantity | 2000                     |

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