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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                         |
| Typical Component Weight | 31 mg                            |
| Shelf Life               | 152 Weeks                        |

**Specifications**

|  |                    |
|--|--------------------|
| Capacitance  | 6,800 pF           |
| Tolerance  | 5%                 |
| Voltage DC   | 500 VDC            |
| Dielectric Withstanding Voltage                                    | 750 VDC            |
| Temperature Range  | -55/+125°C         |
| Temp. 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 |
| Insulation Resistance  | 100 GOhms          |

**Dimensions**

|                      |                 |
|----------------------|-----------------|
| L                    | 3.3mm +/-0.4mm  |
| W                    | 1.6mm +/-0.35mm |
| T                    | 1.6mm +/-0.25mm |
| B                    | 0.6mm +/-0.25mm |
| Case Code (EIA / mm) | 1206 / 3216     |

**Packaging Specifications**

|                    |                          |
|--------------------|--------------------------|
| Packaging          | T&R, 330mm, Plastic Tape |
| Packaging Quantity | 8000                     |

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