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**General Information**

|                          |                                  |
|--------------------------|----------------------------------|
| Series                   | SMD Auto X7R 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 | 13 mg                            |
| Shelf Life               | 152 Weeks                        |

**Specifications**

|                                                                    |                   |
|--------------------------------------------------------------------|-------------------|
| Capacitance                                                        | 6,800 pF          |
| Tolerance                                                          | 10%               |
| Voltage DC                                                         | 250 VDC           |
| Dielectric Withstanding Voltage                                    | 625 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% 1kHz 1.0Vrms |
| Insulation Resistance                                              | 100 GOhms         |

**Dimensions**

|                      |                  |
|----------------------|------------------|
| L                    | 2mm +/-0.3mm     |
| W                    | 1.25mm +/-0.3mm  |
| T                    | 1.25mm +/-0.15mm |
| S                    | 0.7mm MIN        |
| B                    | 0.5mm +/-0.25mm  |
| Case Code (EIA / mm) | 0805 / 2012      |

**Packaging Specifications**

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

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