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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                         |
| AEC-Q200                 | Yes                              |
| Typical Component Weight | 13 mg                            |
| Shelf Life               | 152 Weeks                        |

#### Dimensions

|           |                 |
|-----------|-----------------|
| Chip Size | 0805            |
| L         | 2mm +/-0.3mm    |
| W         | 1.25mm +/-0.3mm |
| T         | 1mm +/-0.20mm   |
| S         | 0.7mm MIN       |
| B         | 0.5mm +/-0.25mm |

#### Packaging Specifications

|                    |                          |
|--------------------|--------------------------|
| Packaging          | T&R, 330mm, Plastic Tape |
| Packaging Quantity | 10000                    |

#### Specifications

|                                                                    |                    |
|--------------------------------------------------------------------|--------------------|
| Capacitance                                                        | 0.47 uF            |
| Tolerance                                                          | 5%                 |
| Voltage DC                                                         | 50 VDC             |
| Dielectric Withstanding Voltage                                    | 125 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                                              | 10 GOhms           |

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