



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

**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 | 7.3 mg                           |
| Shelf Life               | 152 Weeks                        |

**Specifications**

|  |                   |
|--|-------------------|
| Capacitance  | 680 pF            |
| Tolerance  | 10%               |
| 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% 1kHz 1.0Vrms |
| Insulation Resistance  | 100 GOhms         |

| Dimensions           |                  |
|----------------------|------------------|
| L                    | 1.6mm +/-0.17mm  |
| W                    | 0.8mm +/-0.15mm  |
| T                    | 0.8mm +/-0.15mm  |
| S                    | 0.5mm MIN        |
| B                    | 0.45mm +/-0.15mm |
| Case Code (EIA / mm) | 0603 / 1608      |

| Packaging Specifications |                        |
|--------------------------|------------------------|
| Packaging                | T&R, 180mm, Paper Tape |
| Packaging Quantity       | 4000                   |

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