



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

Dimensions

| | |
|-----------|------------------|
| Chip Size | 0603 |
| L | 1.6mm +/-0.17mm |
| W | 0.8mm +/-0.15mm |
| T | 0.8mm +/-0.15mm |
| S | 0.58mm MIN |
| B | 0.45mm +/-0.15mm |

Packaging Specifications

| | |
|--------------------|------------------------|
| Packaging | T&R, 330mm, Paper Tape |
| Packaging Quantity | 15000 |

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 |
| Shelf Life | 152 Weeks |

Specifications

| | |
|--------------------------------------------------------------------|-----------------------|
| Capacitance | 180 pF |
| Capacitance Tolerance | 5% |
| Voltage DC | 100 VDC |
| Dielectric Withstanding Voltage | 250 VDC |
| Temperature Range | -55/+125°C |
| Temperature 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 |