

SMD Auto X7R VW80808, Ceramic, 0.1 uF, 10%, 100 VDC, X7R, SMD, MLCC, Automotive Grade, 0805



**Dimensions**

|          |                 |
|----------|-----------------|
| <b>L</b> | 2mm +/-0.3mm    |
| <b>W</b> | 1.25mm +/-0.3mm |
| <b>T</b> | 0.9mm +/-0.10mm |
| <b>S</b> | 0.75mm MIN      |
| <b>B</b> | 0.5mm +/-0.25mm |

**Packaging Specifications**

|                            |                          |
|----------------------------|--------------------------|
| <b>Packaging:</b>          | T&R, 178mm, Plastic Tape |
| <b>Packaging Quantity:</b> | 4000                     |

**General Information**

|                        |                                  |
|------------------------|----------------------------------|
| <b>Supplier:</b>       | KEMET                            |
| <b>Series:</b>         | SMD Auto X7R VW80808             |
| <b>Style:</b>          | SMD Chip                         |
| <b>Description:</b>    | SMD, MLCC, Automotive Grade      |
| <b>Features:</b>       | VW 80808 Specification Compliant |
| <b>RoHS:</b>           | Yes                              |
| <b>Termination:</b>    | Tin                              |
| <b>Failure Rate:</b>   | N/A                              |
| <b>Qualifications:</b> | AEC-Q200                         |
| <b>AEC-Q200:</b>       | Yes                              |
| <b>Chip Size:</b>      | 0805                             |
| <b>Shelf Life:</b>     | 152 Weeks                        |

**Specifications**

|   |                 |
|---|-----------------|
| <b>Capacitance:</b>                     | 0.1 uF          |
| <b>Capacitance Tolerance:</b>           | 10%             |
| <b>Voltage DC:</b>                      | 100 VDC         |
| <b>Dielectric Withstanding Voltage:</b> | 250 VDC         |
| <b>Temperature Range:</b>               | -55/+125°C      |
| <b>Temperature Coefficient:</b>         | X7R             |
| <b>Dissipation Factor:</b>              | 2.50% 120Hz 25C |
| <b>Insulation Resistance:</b>           | 100 GOhms       |