

SMD Auto X7R VW80808, Ceramic, 220 pF, 10%, 50 VDC, X7R, SMD, MLCC, Automotive Grade, 0603



**General Information**

|                        |                                  |
|------------------------|----------------------------------|
| <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>    | Flexible Termination             |
| <b>Failure Rate:</b>   | N/A                              |
| <b>Qualifications:</b> | AEC-Q200                         |
| <b>AEC-Q200:</b>       | Yes                              |
| <b>Shelf Life:</b>     | 152 Weeks                        |

**Dimensions**

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

**Packaging Specifications**

|                            |                        |
|----------------------------|------------------------|
| <b>Packaging:</b>          | T&R, 180mm, Paper Tape |
| <b>Packaging Quantity:</b> | 4000                   |

**Specifications**

|   |                 |
|---|-----------------|
| <b>Capacitance:</b>                     | 220 pF          |
| <b>Capacitance Tolerance:</b>           | 10%             |
| <b>Voltage DC:</b>                      | 50 VDC          |
| <b>Dielectric Withstanding Voltage:</b> | 125 VDC         |
| <b>Temperature Range:</b>               | -55/+125°C      |
| <b>Temperature Coefficient:</b>         | X7R             |
| <b>Dissipation Factor:</b>              | 2.5% 120 Hz 25C |
| <b>Insulation Resistance:</b>           | 100 GOhms       |

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