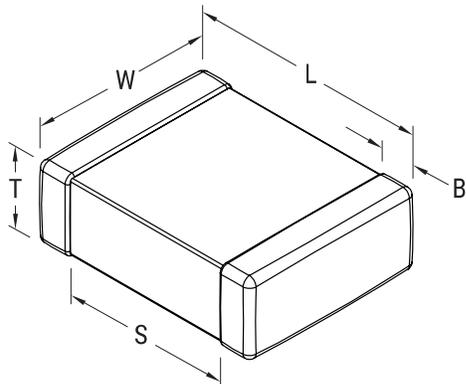


SMD Auto X7R VW80808, Ceramic, 0.1 uF, 10%, 50 VDC, X7R, SMD, MLCC, Automotive Grade, 0603



| Dimensions |                  |
|------------|------------------|
| 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, 178mm, Paper Tape |
| Packaging Quantity:      | 4000                   |

| General Information |                                  |
|---------------------|----------------------------------|
| Supplier:           | KEMET                            |
| Series:             | SMD Auto X7R VW80808             |
| Style:              | SMD Chip                         |
| Description:        | SMD, MLCC, Automotive Grade      |
| Features:           | VW 80808 Specification Compliant |
| RoHS:               | Yes                              |
| Termination:        | Tin                              |
| Failure Rate:       | N/A                              |
| Qualifications:     | AEC-Q200                         |
| AEC-Q200:           | Yes                              |
| Chip Size:          | 0603                             |
| Shelf Life:         | 152 Weeks                        |

| Specifications                   |                 |
|----------------------------------|-----------------|
| Capacitance:                     | 0.1 uF          |
| Capacitance Tolerance:           | 10%             |
| Voltage DC:                      | 50 VDC          |
| Dielectric Withstanding Voltage: | 125 VDC         |
| Temperature Range:               | -55/+125°C      |
| Temperature Coefficient:         | X7R             |
| Dissipation Factor:              | 2.50% 120Hz 25C |
| Insulation Resistance:           | 10 GOhms        |