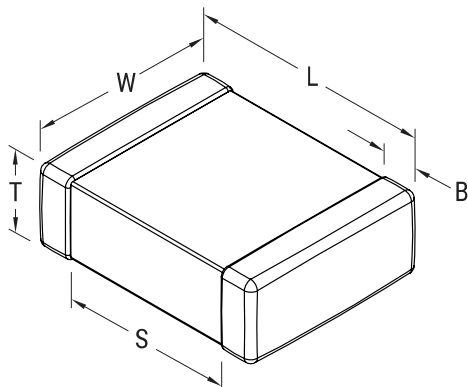


SMD Auto C0G, Ceramic, 220 pF, 5%, 200 VDC, C0G, SMD, MLCC, Ultra-Stable, Low Loss, Automotive Grade, 0402

**Dimensions**

|          |                 |
|----------|-----------------|
| <b>L</b> | 1mm +/-0.05mm   |
| <b>W</b> | 0.5mm +/-0.05mm |
| <b>T</b> | 0.5mm +/-0.05mm |
| <b>S</b> | 0.3mm MIN       |
| <b>B</b> | 0.3mm +/-0.1mm  |

**Packaging Specifications**

|                            |                        |
|----------------------------|------------------------|
| <b>Packaging:</b>          | T&R, 180mm, Paper Tape |
| <b>Packaging Quantity:</b> | 10000                  |

**General Information**

|                        |                                                     |
|------------------------|-----------------------------------------------------|
| <b>Supplier:</b>       | KEMET                                               |
| <b>Series:</b>         | SMD Auto C0G                                        |
| <b>Style:</b>          | SMD Chip                                            |
| <b>Description:</b>    | SMD, MLCC, Ultra-Stable, Low Loss, Automotive Grade |
| <b>Features:</b>       | Ultra-Stable, Low Loss, Automotive Grade            |
| <b>RoHS:</b>           | Yes                                                 |
| <b>Termination:</b>    | Tin                                                 |
| <b>Marking:</b>        | No                                                  |
| <b>Qualifications:</b> | AEC-Q200                                            |
| <b>AEC-Q200:</b>       | Yes                                                 |
| <b>Chip Size:</b>      | 0402                                                |
| <b>Shelf Life:</b>     | 78 Weeks                                            |
| <b>MSL:</b>            | 1                                                   |

**Specifications**

|                                         |                     |
|-----------------------------------------|---------------------|
| <b>Capacitance:</b>                     | 220 pF              |
| <b>Capacitance Tolerance:</b>           | 5%                  |
| <b>Voltage DC:</b>                      | 200 VDC             |
| <b>Dielectric Withstanding Voltage:</b> | 500 V               |
| <b>Temperature Range:</b>               | -55/+125C           |
| <b>Temperature Coefficient:</b>         | C0G                 |
| <b>Dissipation Factor:</b>              | 0.10% 1MHz 25C      |
| <b>Aging Rate:</b>                      | 0% Loss/Decade Hour |
| <b>Insulation Resistance:</b>           | 100 GOhms           |