

Ceramic, AUTO-(CxxxxC-AUTO), 100 pF, 10%, 200 V, 0805, C0G, SMD, MLCC, Ultra-Stable, Low Loss, Automotive Grade



#### Dimensions

|          |                  |
|----------|------------------|
| <b>L</b> | 2mm +/-0.2mm     |
| <b>W</b> | 1.25mm +/-0.2mm  |
| <b>T</b> | 0.78mm +/-0.10mm |
| <b>S</b> | 0.75mm MIN       |
| <b>B</b> | 0.5mm +/-0.25mm  |

#### Packaging Specifications

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

#### General Information

|                      |                                                     |
|----------------------|-----------------------------------------------------|
| <b>Style:</b>        | SMD Chip                                            |
| <b>Series:</b>       | AUTO-(CxxxxC-AUTO)                                  |
| <b>Chip Size:</b>    | 0805                                                |
| <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>Failure Rate:</b> | N/A                                                 |
| <b>Approvals:</b>    | AEC-Q200                                            |
| <b>AEC-Q200:</b>     | Yes                                                 |

#### Specifications

|                                         |                     |
|-----------------------------------------|---------------------|
| <b>Capacitance:</b>                     | 100 pF              |
| <b>Capacitance Tolerance:</b>           | 10%                 |
| <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>              | 0.1%                |
| <b>Aging Rate:</b>                      | 0% Loss/Decade Hour |
| <b>Insulation Resistance:</b>           | 100 GOhms           |