

SMD Indust COG HT200C, Ceramic, 0.033 uF, 5%, 25 VDC, COG, SMD, MLCC, High Temperature, Ultra-Stable, Low Loss, 0805

**Dimensions**

|          |                  |
|----------|------------------|
| <b>L</b> | 2mm +/-0.2mm     |
| <b>W</b> | 1.25mm +/-0.2mm  |
| <b>T</b> | 1.25mm +/-0.15mm |
| <b>S</b> | 0.75mm MIN       |
| <b>B</b> | 0.5mm +/-0.25mm  |

**Packaging Specifications**

|                            |          |
|----------------------------|----------|
| <b>Packaging:</b>          | Cut Reel |
| <b>Packaging Quantity:</b> | 250      |

**General Information**

|                     |                                                     |
|---------------------|-----------------------------------------------------|
| <b>Series:</b>      | SMD Indust COG HT200C                               |
| <b>Style:</b>       | SMD Chip                                            |
| <b>Description:</b> | SMD, MLCC, High Temperature, Ultra-Stable, Low Loss |
| <b>Features:</b>    | High Temp, Ultra-Stable, Low Loss                   |
| <b>RoHS:</b>        | Yes                                                 |
| <b>Termination:</b> | Tin                                                 |
| <b>Marking:</b>     | No                                                  |
| <b>AEC-Q200:</b>    | No                                                  |
| <b>Chip Size:</b>   | 0805                                                |
| <b>Shelf Life:</b>  | 78 Weeks                                            |
| <b>MSL:</b>         | 1                                                   |

**Specifications**

|                                                                            |                        |
|----------------------------------------------------------------------------|------------------------|
| <b>Capacitance:</b>                                                        | 33000 pF, 1kHz 1.0Vrms |
| <b>Capacitance Tolerance:</b>                                              | 5%                     |
| <b>Voltage DC:</b>                                                         | 25 VDC                 |
| <b>Dielectric Withstanding Voltage:</b>                                    | 62.5 VDC               |
| <b>Temperature Range:</b>                                                  | -55/+200°C             |
| <b>Temperature Coefficient:</b>                                            | COG                    |
| <b>Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC):</b> | 30 ppm/C, 1kHz 1.0Vrms |
| <b>Dissipation Factor:</b>                                                 | 0.10% 1kHz 1.0Vrms     |
| <b>Aging Rate:</b>                                                         | 0% Loss/Decade Hour    |
| <b>Insulation Resistance:</b>                                              | 30.303 GOhms           |