



Click [here](#) for the 3D model.

**General Information**

|                          |                                                                   |
|--------------------------|-------------------------------------------------------------------|
| Series                   | KC-LINK Auto COG                                                  |
| Style                    | SMD Chip                                                          |
| Description              | SMD, MLCC, Ultra-Stable, Low Loss, High Voltage, Automotive Grade |
| Features                 | Ultra-Stable, Low Loss, Automotive Grade                          |
| RoHS                     | Yes                                                               |
| Termination              | Tin                                                               |
| Marking                  | No                                                                |
| Qualifications           | AEC-Q200                                                          |
| Typical Component Weight | 87 mg                                                             |
| Shelf Life               | 78 Weeks                                                          |
| MSL                      | 1                                                                 |

**Specifications**

|                                                                    |                        |
|--------------------------------------------------------------------|------------------------|
| Capacitance                                                        | 0.01 uF                |
| Measurement Condition                                              | 1 kHz 1.0Vrms          |
| Tolerance                                                          | 1%                     |
| Voltage DC                                                         | 1000 VDC               |
| Dielectric Withstanding Voltage                                    | 1,200 VDC              |
| Temperature Range                                                  | -55/+150°C             |
| Temp. Coefficient                                                  | COG                    |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 30 ppm/C, 1kHz 1.0Vrms |
| Dissipation Factor                                                 | 0.1% 1kHz 1.0Vrms      |
| Aging Rate                                                         | 0% Loss/Decade Hour    |
| Insulation Resistance                                              | 100 GOhms              |

**Dimensions**

|                      |                 |
|----------------------|-----------------|
| L                    | 4.5mm +/-0.3mm  |
| W                    | 3.2mm +/-0.3mm  |
| T                    | 2mm +/-0.20mm   |
| B                    | 0.6mm +/-0.35mm |
| Case Code (EIA / mm) | 1812 / 4532     |

**Packaging Specifications**

|                    |                          |
|--------------------|--------------------------|
| Packaging          | T&R, 180mm, Plastic Tape |
| Packaging Quantity | 500                      |

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