



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

| Dimensions |                 |
|------------|-----------------|
| Chip Size  | 1812            |
| L          | 4.5mm +/-0.4mm  |
| W          | 3.2mm +/-0.3mm  |
| T          | 2.5mm +/-0.20mm |
| B          | 0.7mm +/-0.35mm |

| Packaging Specifications |                          |
|--------------------------|--------------------------|
| Packaging                | T&R, 330mm, Plastic Tape |
| Packaging Quantity       | 2000                     |

| General Information |                                 |
|---------------------|---------------------------------|
| Series              | KC-LINK Auto COG                |
| Style               | SMD Chip                        |
| Description         | SMD, MLCC, FT-CAP, Ultra-Stable |
| Features            | FT-CAP, Ultra-Stable            |
| RoHS                | Yes                             |
| Termination         | Flexible Termination            |
| Marking             | No                              |
| Qualifications      | AEC-Q200                        |
| AEC-Q200            | Yes                             |
| Component Weight    | 87 mg                           |
| Shelf Life          | 78 Weeks                        |
| MSL                 | 1                               |

| Specifications   |                        |
|--|------------------------|
| Capacitance  | 0.047 uF               |
| Measurement Condition  | 1kHz 1.0Vrms           |
| Capacitance Tolerance  | 5%                     |
| Voltage DC   | 500 VDC                |
| Dielectric Withstanding Voltage                                    | 750 VDC                |
| Temperature Range  | -55/+150°C             |
| Temperature 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  | 21.2766 GOhms          |

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