



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

| Dimensions |                 |
|------------|-----------------|
| Chip Size  | 1812            |
| L          | 4.5mm +/-0.4mm  |
| W          | 3.2mm +/-0.3mm  |
| T          | 1.4mm +/-0.15mm |
| B          | 0.7mm +/-0.35mm |

| Packaging Specifications |                          |
|--------------------------|--------------------------|
| Packaging                | T&R, 330mm, Plastic Tape |
| Packaging Quantity       | 4000                     |

| 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    | 67 mg                           |
| Shelf Life          | 78 Weeks                        |
| MSL                 | 1                               |

| Specifications                                                     |                        |
|--------------------------------------------------------------------|------------------------|
| Capacitance                                                        | 0.022 uF               |
| Measurement Condition                                              | 1 kHz 1.0Vrms          |
| Capacitance Tolerance                                              | 10%                    |
| 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                                              | 45.4545 GOhms          |