

**KEMET Part Number: CKC18X223FWGACTU**  
(CKC18X223FWGAC7800)



KC Link Auto C0G, Ceramic, 0.022 uF, 1%, 650 VDC, C0G, SMD, MLCC, FT-CAP, Ultra-Stable, 1812



| General Information |                                 |
|---------------------|---------------------------------|
| Series:             | KC Link Auto C0G                |
| Style:              | SMD Chip                        |
| Description:        | SMD, MLCC, FT-CAP, Ultra-Stable |
| Features:           | Ultra-Stable, Low Loss          |
| RoHS:               | Yes                             |
| Termination:        | Flexible Termination            |
| Marking:            | No                              |
| AEC-Q200:           | No                              |
| Shelf Life:         | 78 Weeks                        |
| MSL:                | 1                               |

| 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, 180mm, Plastic Tape |
| Packaging Quantity:      | 1000                     |

| Specifications  |                        |
|---|------------------------|
| Capacitance:  | 0.022 uF               |
| Measurement Condition:  | 1 kHz 1.0Vrms          |
| Capacitance Tolerance:  | 1%                     |
| Voltage DC:   | 650 VDC                |
| Dielectric Withstanding Voltage:                                    | 845 VDC                |
| Temperature Range:  | -55/+150°C             |
| Temperature Coefficient:  | C0G                    |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC): | 30 ppm/C, 1kHz 1.0Vrms |
| Dissipation Factor:   | 0.1% 1 kHz 1.0Vrms     |
| Aging Rate:   | 0% Loss/Decade Hour    |
| Insulation Resistance:  | 45.455 GOhms           |

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