

**KEMET Part Number: CKC18X752FWGACTU**  
(CKC18X752FWGAC7800)



KC Link Auto C0G, Ceramic, 7500 pF, 1%, 650 VDC, C0G, SMD, MLCC, FT-CAP, Ultra-Stable, 1812



**Dimensions**

| Chip Size | 1812            |
|-----------|-----------------|
| <b>L</b>  | 4.7mm +/-0.4mm  |
| <b>W</b>  | 3.2mm +/-0.3mm  |
| <b>T</b>  | 1.6mm +/-0.20mm |
| <b>B</b>  | 0.7mm +/-0.35mm |

**Packaging Specifications**

|                            |                          |
|----------------------------|--------------------------|
| <b>Weight:</b>             | 87 mg                    |
| <b>Packaging:</b>          | T&R, 180mm, Plastic Tape |
| <b>Packaging Quantity:</b> | 1000                     |

**General Information**

|                        |                                 |
|------------------------|---------------------------------|
| <b>Series:</b>         | KC Link Auto C0G                |
| <b>Style:</b>          | SMD Chip                        |
| <b>Description:</b>    | SMD, MLCC, FT-CAP, Ultra-Stable |
| <b>Features:</b>       | FT-CAP, Ultra-Stable            |
| <b>RoHS:</b>           | Yes                             |
| <b>Termination:</b>    | Flexible Termination            |
| <b>Marking:</b>        | No                              |
| <b>Qualifications:</b> | AEC-Q200                        |
| <b>AEC-Q200:</b>       | Yes                             |
| <b>Shelf Life:</b>     | 78 Weeks                        |
| <b>MSL:</b>            | 1                               |

**Specifications**

|  |                        |
|--|------------------------|
| <b>Capacitance:</b>  | 7500 pF                |
| <b>Measurement Condition:</b>  | 1 kHz 1.0Vrms          |
| <b>Capacitance Tolerance:</b>  | 1%                     |
| <b>Voltage DC:</b>   | 650 VDC                |
| <b>Dielectric Withstanding Voltage:</b>                                    | 845 VDC                |
| <b>Temperature Range:</b>  | -55/+150°C             |
| <b>Temperature Coefficient:</b>  | C0G                    |
| <b>Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC):</b> | 30 ppm/C, 1kHz 1.0Vrms |
| <b>Dissipation Factor:</b>   | 0.1% 1 kHz 1.0Vrms     |
| <b>Aging Rate:</b>   | 0% Loss/Decade Hour    |
| <b>Insulation Resistance:</b>  | 100 GOhms              |

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