

**KEMET Part Number: CKC18X223GCGACTU**  
(CKC18X223GCGAC7800)



KC Link Auto C0G, Ceramic, 0.022 uF, 2%, 500 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>	1.4mm +/-0.15mm
<b>B</b>	0.7mm +/-0.35mm

**Packaging Specifications**

<b>Weight:</b>	67 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>	0.022 uF
<b>Measurement Condition:</b>	1 kHz 1.0Vrms
<b>Capacitance Tolerance:</b>	2%
<b>Voltage DC:</b>	500 VDC
<b>Dielectric Withstanding Voltage:</b>	750 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>	45.4545 GOhms

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