

**KEMET Part Number: CKC21C822FWGACTU**  
(CKC21C822FWGAC7800)



KC Link Comm C0G, Ceramic, 8200 pF, 1%, 650 VDC, C0G, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 2220



| Dimensions |                 |
|------------|-----------------|
| Chip Size  | 2220            |
| L          | 5.9mm +/-0.4mm  |
| W          | 5mm +/-0.4mm    |
| T          | 2mm +/-0.20mm   |
| B          | 0.6mm +/-0.35mm |

| Packaging Specifications |                          |
|--------------------------|--------------------------|
| Packaging:               | T&R, 180mm, Plastic Tape |
| Packaging Quantity:      | 500                      |

| General Information |  |
|---------------------|--|
| Series:             | KC Link Comm C0G                           |
| Style:              | SMD Chip                                   |
| Description:        | SMD, MLCC, Ultra-Stable, Low Loss, Class I |
| Features:           | Ultra-Stable, Low Loss, Class I            |
| RoHS:               | Yes  |
| Termination:        | Tin  |
| Marking:            | No   |
| AEC-Q200:           | No   |
| Component Weight:   | 260 mg                                     |
| Shelf Life:         | 78 Weeks                                   |
| MSL:                | 1  |

| Specifications  |                        |
|---|------------------------|
| Capacitance:  | 8200 pF                |
| 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:  | 100 GOhms              |

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