## **KEMET Part Number: CKC33C333KWGAC**



KC Link Comm COG, Ceramic, 0.033 uF, 10%, 650 VDC, COG, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 3640



| Dimensions |                 |  |
|------------|-----------------|--|
| Chip Size  | 3640            |  |
| L          | 9.3mm +/-0.6mm  |  |
| W          | 10.2mm +/-0.4mm |  |
| Т          | 2mm +/-0.2mm    |  |
| В          | 1.27mm +/-0.4mm |  |

| Packaging Specifications |           |  |
|--------------------------|-----------|--|
| Packaging:               | Bulk, Bag |  |
| Packaging Quantity:      | 1         |  |

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

| Specifications  |                         |
|---|-------------------------|
| Capacitance:  | 0.033 uF                |
| Measurement Condition:  | 33000 pF, 1 kHz 1.0Vrms |
| Capacitance Tolerance:  | 10%                     |
| Voltage DC:   | 650 VDC                 |
| Dielectric Withstanding<br>Voltage:                                 | 845 VDC                 |
| Temperature Range:  | -55/+125°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% 1 kHz 1.0Vrms      |
| Aging Rate:   | 0% Loss/Decade Hour     |
| Insulation Resistance:  | 30.303 GOhms            |

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