

**KEMET Part Number: C0805C103KARACTU**  
(C0805C103KARAC7800)



Ceramic, TipAndRing-(CxxxxC), 0.01 uF, 10%, 250 V, 0805, X7R, SMD, MLCC, Tip & Ring, Temperature Stable



| Dimensions |                  |
|------------|------------------|
| L          | 2mm +/-0.2mm     |
| W          | 1.25mm +/-0.2mm  |
| T          | 0.78mm +/-0.10mm |
| S          | 0.75mm MIN       |
| B          | 0.5mm +/-0.25mm  |

| Packaging Specifications |                        |
|--------------------------|------------------------|
| Packaging:               | T&R, 180mm, Paper Tape |
| Packaging Quantity:      | 4000                   |

| General Information |                                                                          |
|---------------------|--------------------------------------------------------------------------|
| Style:              | SMD Chip                                                                 |
| Series:             | TipAndRing-(CxxxxC)                                                      |
| Chip Size:          | 0805                                                                     |
| Description:        | SMD, MLCC, Tip & Ring, Temperature Stable                                |
| Features:           | Temperature Stable                                                       |
| RoHS:               | Yes                                                                      |
| Termination:        | Tin                                                                      |
| Marking:            | No                                                                       |
| Failure Rate:       | N/A                                                                      |
| Miscellaneous:      | Note: Referee time for X7R dielectric for this part number is 1000 hours |

| Specifications                   |                     |
|----------------------------------|---------------------|
| Capacitance:                     | 0.01 uF             |
| Capacitance Tolerance:           | 10%                 |
| Voltage DC:                      | 250 VDC             |
| Dielectric Withstanding Voltage: | 625 V               |
| Temperature Range:               | -55/+125C           |
| Temperature Coefficient:         | X7R                 |
| Dissipation Factor:              | 2.5%                |
| Aging Rate:                      | 3% Loss/Decade Hour |
| Insulation Resistance:           | 100 GOhms           |

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