

**KEMET Part Number: C0805X104K1RACTU**  
(C0805X104K1RAC7800)

Ceramic, FlexTerm-(CxxxxX), 0.1 uF, 10%, 100 V, 0805, X7R, SMD, MLCC, FT-CAP, Temperature Stable



| Dimensions |                 |
|------------|-----------------|
| L          | 2mm +/-0.3mm    |
| W          | 1.25mm +/-0.3mm |
| T          | 1mm +/-0.20mm   |
| S          | 0.75mm MIN      |
| B          | 0.5mm +/-0.25mm |

| Packaging Specifications |                          |
|--------------------------|--------------------------|
| Packaging:               | T&R, 180mm, Plastic Tape |
| Packaging Quantity:      | 2500                     |

| General Information |  |
|---------------------|--|
| Style:              | SMD Chip   |
| Series:             | FlexTerm-(CxxxxX)  |
| Chip Size:          | 0805   |
| Description:        | SMD, MLCC, FT-CAP, Temperature Stable                                    |
| Features:           | FT-CAP, Temperature Stable   |
| RoHS:               | Yes  |
| Termination:        | Flexible Termination   |
| Marking:            | No   |
| Failure Rate:       | N/A  |
| Miscellaneous:      | Note: Referee time for X7R dielectric for this part number is 1000 hours |

| Specifications           |                     |
|--------------------------|---------------------|
| Capacitance:             | 0.1 uF              |
| Capacitance Tolerance:   | 10%                 |
| Voltage DC:              | 100 VDC             |
| Temperature Range:       | -55/+125C           |
| Temperature Coefficient: | X7R                 |
| Dissipation Factor:      | 2.5%                |
| Aging Rate:              | 3% Loss/Decade Hour |
| Insulation Resistance:   | 5 GOhms             |
| Dielectric Strength:     | 250 V               |