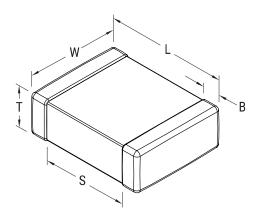
## KEMET Part Number: C0805X103K5RACTU

(C0805X103K5RAC7800)



## SMD Comm X7R Flex, Ceramic, 0.01 uF, 10%, 50 VDC, X7R, SMD, MLCC, FT-CAP, Temperature Stable, 0805



| Dimensions |                  |
|------------|------------------|
| L          | 2mm +/-0.3mm     |
| W          | 1.25mm +/-0.3mm  |
| Т          | 0.78mm +/-0.20mm |
| S          | 0.75mm MIN       |
| В          | 0.5mm +/-0.25mm  |

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

| General Information |  |
|---------------------|--|
| Supplier:           | KEMET  |
| Series:             | SMD Comm X7R Flex  |
| Style:              | SMD Chip   |
| Description:        | SMD, MLCC, FT-CAP,<br>Temperature Stable                                       |
| Features:           | FT-CAP, Temperature Stable   |
| RoHS:               | Yes  |
| Termination:        | Flexible Termination   |
| Marking:            | No   |
| Miscellaneous:      | Note: Referee time for X7R<br>dielectric for this part number is<br>1000 hours |
| Chip Size:          | 0805   |

| Specifications                      |                     |
|-------------------------------------|---------------------|
| Capacitance:                        | 0.01 uF             |
| Capacitance Tolerance:              | 10%                 |
| Voltage DC:                         | 50 VDC              |
| Dielectric Withstanding<br>Voltage: | 125 V               |
| Temperature Range:                  | -55/+125C           |
| Temperature Coefficient:            | X7R                 |
| Dissipation Factor:                 | 2.50% 1kHz 25C      |
| Aging Rate:                         | 3% Loss/Decade Hour |
| Insulation Resistance:              | 100 GOhms           |

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