

# KEMET Part Number: C0603C103K5RAC

Capacitor, ceramic, SMD, Fixed, Temperature Stable, Class II, 0.01 uF, +/-10% Tol, 50V, X7R, 0603



| Dimensions (mm) |           |           |
|-----------------|-----------|-----------|
| Symbol          | Dimension | Tolerance |
| L               | 1.60      | +/-0.15   |
| W               | 0.80      | +/-0.15   |
| T               | 0.8       | +/-0.07   |
| B               | 0.35      | +/-0.15   |
| S               | 0.7       | min       |

| Packaging Specifications |      |
|--------------------------|------|
| Package Kind:            | Bulk |
| Package Type:            | Bag  |
| Package Quantity:        | 1    |

| General Information       |  |
|---------------------------|--|
| Manufacturer:             | KEMET  |
| Part Type Description:    | SMD, Fixed, Temperature Stable, Class II                                 |
| Miscellaneous Electrical: | Note: Referee time for X7R dielectric for this part number is 1000 hours |

| Specifications           |               |
|--------------------------|---------------|
| Capacitance:             | 0.01 uF       |
| Chip Size:               | 0603          |
| Voltage:                 | 50V           |
| Temperature Coefficient: | X7R           |
| Tolerance:               | +/-10%        |
| Application:             | Standard Chip |
| Termination Type:        | Tin           |
| Marked:                  | No            |
| Temperature Range:       | -55/+125C     |
| Dissipation Factor:      | 2.5%          |
| Insulation Resistance:   | 100 GOhm      |
| Dielectric Strength:     | 125V          |