

**KEMET Part Number: C0805C105K3RACAUTO**  
(C0805C105K3RACAUTO7800)

Capacitor, Ceramic, SMD, MLCC, Temperature Stable, Automotive Grade, 1 uF, +/-10% Tol, 25V, X7R, 0805



| Dimensions (mm) |           |           |
|-----------------|-----------|-----------|
| Symbol          | Dimension | Tolerance |
| L               | 2.00      | +/-0.20   |
| W               | 1.25      | +/-0.20   |
| T               | 1.25      | +/-0.15   |
| B               | 0.50      | +/-0.25   |
| S               | 0.75      | MIN       |

| Packaging Specifications |              |
|--------------------------|--------------|
| Package Kind:            | T&R          |
| Package Size:            | 7in          |
| Package Type:            | Plastic Tape |
| Package Quantity:        | 2500         |

| General Information       |  |
|---------------------------|--|
| Supplier:                 | KEMET  |
| Part Type Description:    | SMD, MLCC, Temperature Stable, Automotive Grade                          |
| Miscellaneous Electrical: | Note: Referee time for X7R dielectric for this part number is 1000 hours |

| Specifications           |                          |
|--------------------------|--------------------------|
| Capacitance:             | 1 uF                     |
| Chip Size:               | 0805                     |
| Voltage:                 | 25V                      |
| Temperature Coefficient: | X7R                      |
| Tolerance:               | +/-10%                   |
| Application:             | Automotive/Standard Chip |
| Termination Type:        | Tin                      |
| Marked:                  | No                       |
| Temperature Range:       | -55/+125C                |
| Dissipation Factor:      | 10%                      |
| Insulation Resistance:   | 500 MOhm                 |
| Dielectric Strength:     | 62.5V                    |