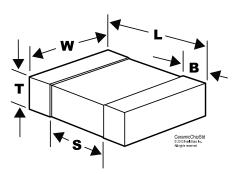
## **KEMET Part Number: C0603C104J5RACAUTO**



Capacitor, Ceramic, SMD, MLCC, Temperature Stable, Automotive Grade, 0.1 uF, +/-5% Tol, 50 V, X7R, 0603 (1608 metric)



| General Information      |                                                    |  |
|--------------------------|----------------------------------------------------|--|
| Supplier:                | KEMET                                              |  |
| Application:             | Automotive (AEC-Q200<br>Qualified)                 |  |
| Chip Size:               | 0603 (1608 metric)                                 |  |
| Temperature Coefficient: | X7R                                                |  |
| Part Type Description:   | SMD, MLCC, Temperature<br>Stable, Automotive Grade |  |
| Termination Type:        | Tin (Sn)                                           |  |
| Marked:                  | No                                                 |  |
| RoHS:                    | Yes                                                |  |

| Dimensions (mm) |           |           |  |
|-----------------|-----------|-----------|--|
| Symbol          | Dimension | Tolerance |  |
| L               | 1.6       | +/-0.15   |  |
| W               | 0.8       | +/-0.15   |  |
| Т               | 0.8       | +/-0.07   |  |
| В               | 0.35      | +/-0.15   |  |
| S               | 0.7       | MIN       |  |

| Packaging Specifications |            |  |
|--------------------------|------------|--|
| Package Kind:            | T&R        |  |
| Package Size:            | 7in        |  |
| Package Type:            | Paper Tape |  |
| Package Quantity:        | 4000       |  |

| Specifications         |                                                                                |
|------------------------|--------------------------------------------------------------------------------|
| Capacitance:           | 0.1 uF                                                                         |
| Voltage:               | 50 V                                                                           |
| Tolerance:             | +/-5%                                                                          |
| Temperature Range:     | -55/+125C                                                                      |
| Dissipation Factor:    | 2.5%                                                                           |
| Failure Rate:          | NA                                                                             |
| Aging Rate:            | 3% loss/decade hour                                                            |
| Insulation Resistance: | 5 GOhm                                                                         |
| Dielectric Strength:   | 125 V                                                                          |
| Miscellaneous:         | Note: Referee time for X7R<br>dielectric for this part number is<br>1000 hours |

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