## KEMET Part Number: C0805C104K5RACAUTO



## Ceramic, AUTO-(CxxxxC-AUTO), 0.1 uF, 10%, 50 V, 0805, X7R, SMD, MLCC, Temperature Stable, Automotive Grade



| Dimensions |                  |
|------------|------------------|
| L          | 2mm +/-0.2mm     |
| W          | 1.25mm +/-0.2mm  |
| Т          | 0.78mm +/-0.10mm |
| S          | 0.75mm MIN       |
| В          | 0.5mm +/-0.25mm  |

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

| General Information |  |
|---------------------|--|
| Style:              | SMD Chip   |
| Series:             | AUTO-(CxxxxC-AUTO)   |
| Chip Size:          | 0805   |
| Description:        | SMD, MLCC, Temperature<br>Stable, Automotive Grade                             |
| Features:           | Temperature Stable, Automotive Grade   |
| RoHS:               | Yes  |
| Termination:        | Tin  |
| Marking:            | No   |
| Failure Rate:       | N/A  |
| Approvals:          | AEC-Q200   |
| AEC-Q200:           | Yes  |
| Miscellaneous:      | Note: Referee time for X7R<br>dielectric for this part number is<br>1000 hours |

| Specifications           |                     |  |
|--------------------------|---------------------|--|
| Capacitance:             | 0.1 uF              |  |
| Capacitance Tolerance:   | 10%                 |  |
| Voltage DC:              | 50 VDC              |  |
| Temperature Range:       | -55/+125C           |  |
| Temperature Coefficient: | X7R                 |  |
| Dissipation Factor:      | 2.5%                |  |
| Aging Rate:              | 3% Loss/Decade Hour |  |
| Insulation Resistance:   | 5 GOhms             |  |
| Dielectric Strength:     | 125 V               |  |

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