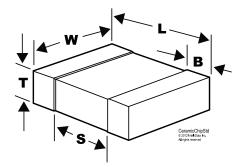
## KEMET Part Number: C0805X104K1RACAUTO



## Ceramic, AUTO-FlexTerm-(CxxxxX-AUTO), 0.1 uF, 10%, 100 V, 0805, X7R, SMD, MLCC, FT-CAP, Automotive Grade



| Dimensions |                 |
|------------|-----------------|
| L          | 2mm +/-0.3mm    |
| W          | 1.25mm +/-0.3mm |
| Т          | 1mm +/-0.20mm   |
| S          | 0.75mm MIN      |
| В          | 0.5mm +/-0.25mm |

| Packaging Specifications |                          |  |
|--------------------------|--------------------------|--|
| Packaging:               | T&R, 180mm, Plastic Tape |  |
| Packaging Quantity:      | 2500                     |  |

| General Information |  |
|---------------------|--|
| Style:              | SMD Chip   |
| Series:             | AUTO-FlexTerm-(CxxxxX-AUTO)  |
| Chip Size:          | 0805   |
| Description:        | SMD, MLCC, FT-CAP,<br>Automotive Grade   |
| Features:           | FT-CAP, Automotive Grade   |
| RoHS:               | Yes  |
| Termination:        | Flexible Termination   |
| 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:                         | 100 VDC             |
| Dielectric Withstanding<br>Voltage: | 250 V               |
| Temperature Range:                  | -55/+125C           |
| Temperature Coefficient:            | X7R                 |
| Dissipation Factor:                 | 2.5%                |
| Aging Rate:                         | 3% Loss/Decade Hour |
| Insulation Resistance:              | 10 GOhms            |

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