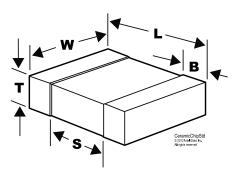
## **KEMET Part Number: C0805C102K2RACAUTO**



Ceramic, AUTO-(CxxxxC-AUTO), 1000 pF, 10%, 200 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:             | 1000 pF             |  |
| Capacitance Tolerance:   | 10%                 |  |
| Voltage DC:              | 200 VDC             |  |
| Temperature Range:       | -55/+125C           |  |
| Temperature Coefficient: | X7R                 |  |
| Dissipation Factor:      | 2.5%                |  |
| Aging Rate:              | 3% Loss/Decade Hour |  |
| Insulation Resistance:   | 100 GOhms           |  |
| Dielectric Strength:     | 500 V               |  |

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.

