## KEMET Part Number: C1206C106K4RACAUTO



## Ceramic, AUTO-(CxxxxC-AUTO), 10 uF, 10%, 16 V, 1206, X7R, SMD, MLCC, Temperature Stable, Automotive Grade



| Dimensions |                 |  |
|------------|-----------------|--|
| L          | 3.2mm +/-0.2mm  |  |
| W          | 1.6mm +/-0.2mm  |  |
| Т          | 1.6mm +/-0.20mm |  |
| В          | 0.5mm +/-0.25mm |  |

| Packaging Specifications |                          |  |
|--------------------------|--------------------------|--|
| Packaging:               | T&R, 180mm, Plastic Tape |  |
| Packaging Quantity:      | 2000                     |  |

| General Information |  |
|---------------------|--|
| Style:              | SMD Chip   |
| Series:             | AUTO-(CxxxxC-AUTO)   |
| Chip Size:          | 1206   |
| 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:             | 10 uF               |  |
| Capacitance Tolerance:   | 10%                 |  |
| Voltage DC:              | 16 VDC              |  |
| Temperature Range:       | -55/+125C           |  |
| Temperature Coefficient: | X7R                 |  |
| Dissipation Factor:      | 10%                 |  |
| Aging Rate:              | 3% Loss/Decade Hour |  |
| Insulation Resistance:   | 50 MOhms            |  |
| Dielectric Strength:     | 40 V                |  |

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