

Ceramic, AUTO-(CxxxxC-AUTO), 0.01 uF, 10%, 50 V, 1206, X7R, SMD, MLCC, Temperature Stable, Automotive Grade



| Dimensions |                  |
|------------|------------------|
| <b>L</b>   | 3.2mm +/-0.2mm   |
| <b>W</b>   | 1.6mm +/-0.2mm   |
| <b>T</b>   | 0.78mm +/-0.10mm |
| <b>B</b>   | 0.5mm +/-0.25mm  |

| Packaging Specifications   |                          |
|----------------------------|--------------------------|
| <b>Packaging:</b>          | T&R, 180mm, Plastic Tape |
| <b>Packaging Quantity:</b> | 4000                     |

| General Information   |  |
|-----------------------|--|
| <b>Style:</b>         | SMD Chip   |
| <b>Series:</b>        | AUTO-(CxxxxC-AUTO)   |
| <b>Chip Size:</b>     | 1206   |
| <b>Description:</b>   | SMD, MLCC, Temperature Stable, Automotive Grade                          |
| <b>Features:</b>      | Temperature Stable, Automotive Grade                                     |
| <b>RoHS:</b>          | Yes  |
| <b>Termination:</b>   | Tin  |
| <b>Marking:</b>       | No   |
| <b>Failure Rate:</b>  | N/A  |
| <b>Approvals:</b>     | AEC-Q200   |
| <b>AEC-Q200:</b>      | Yes  |
| <b>Miscellaneous:</b> | Note: Referee time for X7R dielectric for this part number is 1000 hours |

| Specifications                          |                     |
|---|---------------------|
| <b>Capacitance:</b>                     | 0.01 uF             |
| <b>Capacitance Tolerance:</b>           | 10%                 |
| <b>Voltage DC:</b>                      | 50 VDC              |
| <b>Dielectric Withstanding Voltage:</b> | 125 V               |
| <b>Temperature Range:</b>               | -55/+125C           |
| <b>Temperature Coefficient:</b>         | X7R                 |
| <b>Dissipation Factor:</b>              | 2.5%                |
| <b>Aging Rate:</b>                      | 3% Loss/Decade Hour |
| <b>Insulation Resistance:</b>           | 100 GOhms           |

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