

Ceramic, AUTO-(CxxxxC-AUTO), 0.01 uF, 10%, 50 V, 0402, X7R, SMD, MLCC, Temperature Stable, Automotive Grade



| Dimensions | |
|------------|-----------------|
| L | 1mm +/-0.05mm |
| W | 0.5mm +/-0.05mm |
| T | 0.5mm +/-0.05mm |
| S | 0.3mm MIN |
| B | 0.3mm +/-0.1mm |

| Packaging Specifications | |
|--------------------------|------------------------|
| Packaging: | T&R, 180mm, Paper Tape |
| Packaging Quantity: | 10000 |

| General Information | |
|---------------------|--|
| Style: | SMD Chip |
| Series: | AUTO-(CxxxxC-AUTO) |
| Chip Size: | 0402 |
| Description: | SMD, MLCC, Temperature 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 dielectric for this part number is 1000 hours |

| Specifications | |
|--------------------------|---------------------|
| Capacitance: | 0.01 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: | 100 GOhms |
| Dielectric Strength: | 125 V |