KEMET Part Number: C0402C103K3RACAUTO



SMD Auto X7R, Ceramic, 0.01 uF, 10%, 25 VDC, X7R, SMD, MLCC, Temperature Stable, Automotive Grade, 0402



| Dimensions | |
|------------|-----------------|
| L | 1mm +/-0.05mm |
| W | 0.5mm +/-0.05mm |
| Т | 0.5mm +/-0.05mm |
| S | 0.3mm MIN |
| В | 0.3mm +/-0.1mm |

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

| General Information | |
|---------------------|--|
| Supplier: | KEMET |
| Series: | SMD Auto X7R |
| Style: | SMD Chip |
| Description: | SMD, MLCC, Temperature Stable, Automotive Grade |
| Features: | Temperature Stable, Automotive Grade |
| RoHS: | Yes |
| Termination: | Tin |
| Marking: | No |
| Qualifications: | AEC-Q200 |
| AEC-Q200: | Yes |
| Miscellaneous: | Note: Referee time for X7R dielectric for this part number is 1000 hours |
| Chip Size: | 0402 |

| Specifications | | |
|-------------------------------------|---------------------|--|
| Capacitance: | 0.01 uF | |
| Capacitance Tolerance: | 10% | |
| Voltage DC: | 25 VDC | |
| Dielectric Withstanding Voltage: | 62.5 V | |
| Temperature Range: | -55/+125C | |
| Temperature Coefficient: | X7R | |
| Dissipation Factor: | 3.50% 1kHz 25C | |
| Aging Rate: | 3% Loss/Decade Hour | |
| Insulation Resistance: | 100 GOhms | |

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