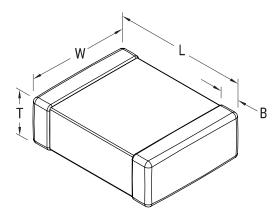
KEMET Part Number: C1206C102KGRACAUTO



SMD Auto X7R HV, Ceramic, 1000 pF, 10%, 2000 VDC, X7R, SMD, MLCC, High Voltage, Temperature Stable, Automotive Grade, 1206



| Dimensions | |
|------------|-----------------|
| Chip Size | 1206 |
| L | 3.2mm +/-0.2mm |
| W | 1.6mm +/-0.2mm |
| Т | 1.6mm +/-0.15mm |
| В | 0.5mm +/-0.25mm |

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

| General Information | | |
|---------------------|---|--|
| Series: | SMD Auto X7R HV | |
| Style: | SMD Chip | |
| Description: | SMD, MLCC, High Voltage, Temperature Stable, Automotive Grade | |
| Features: | High Voltage, Temp Stable, Automotive Grade | |
| RoHS: | Yes | |
| Termination: | Tin | |
| Marking: | No | |
| Qualifications: | AEC-Q200 | |
| AEC-Q200: | Yes | |
| Component Weight: | 41 mg | |
| Shelf Life: | 78 Weeks | |
| MSL: | 1 | |

| Specifications | |
|---|--|
| Capacitance: | 1000 pF |
| Measurement Condition: | 1 kHz 1.0Vrms |
| Capacitance Tolerance: | 10% |
| Voltage DC: | 2000 VDC |
| Dielectric Withstanding Voltage: | 2400 VDC |
| Temperature Range: | -55/+125°C |
| Temperature Coefficient: | X7R |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC): | 15%, 1kHz 1.0Vrms |
| Dissipation Factor: | 2.5% 1 kHz 1.0Vrms |
| Aging Rate: | 3% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance: | 100 GOhms |

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