

C1206C471K5RACAUTO

SMD Auto X7R, Ceramic, 470 pF, 10%, 50 VDC, X7R, SMD, MLCC, Temperature Stable, Automotive Grade, 1206



Click here for the 3D model.

| Dimensions |                  |
|------------|------------------|
| Chip Size  | 1206             |
| L          | 3.2mm +/-0.2mm   |
| W          | 1.6mm +/-0.2mm   |
| Т          | 0.78mm +/-0.10mm |
| В          | 0.5mm +/-0.25mm  |

| Packaging Specifications |                          |
|--------------------------|--------------------------|
| Packaging                | T&R, 180mm, Plastic Tape |
| Packaging Quantity       | 4000                     |

| General Information |   |
|---------------------|---|
| 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   |
| Component<br>Weight | 17 mg   |
| Shelf Life          | 78 Weeks  |
| MSL                 | 1   |

| Specifications  |  |
|---|--|
| Capacitance   | 470 pF   |
| Measurement Condition   | 1 kHz 1.0Vrms                                      |
| Capacitance Tolerance   | 10%  |
| Voltage DC  | 50 VDC   |
| Dielectric Withstanding Voltage                                       | 125 VDC  |
| Temperature Range   | -55/+125°C   |
| Temperature Coefficient   | X7R  |
| Capacitance Change with Reference<br>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:<br>Referee Time is 1000 Hours |
| Insulation Resistance   | 100 GOhms  |

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