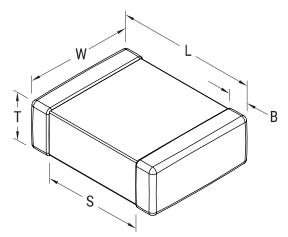


C1206J224K3RACAUTO

SMD Auto X7R FO, Ceramic, 0.22 uF, 10%, 25 VDC, X7R, SMD, MLCC, Open Mode, Automotive Grade, 1206, 1.5 mm



Click here for the 3D model.

| General Information      |   |
|--------------------------|---|
| Series                   | SMD Auto X7R FO                           |
| Style                    | SMD Chip                                  |
| Description              | SMD, MLCC, Open Mode,<br>Automotive Grade |
| Features                 | Open Mode, Automotive Grade               |
| RoHS                     | Yes                                       |
| Termination              | Flexible Termination                      |
| Marking                  | No  |
| Qualifications           | AEC-Q200                                  |
| AEC-Q200                 | Yes                                       |
| Typical Component Weight | 25 mg                                     |
| Shelf Life               | 78 Weeks                                  |
| MSL                      | 1   |

| Dimensions |                 |
|------------|-----------------|
| Chip Size  | 1206            |
| L          | 3.3mm +/-0.4mm  |
| W          | 1.6mm +/-0.35mm |
| т          | 0.9mm +/-0.20mm |
| S          | 1.5mm MIN       |
| В          | 0.6mm +/-0.25mm |
|            |                 |

## **Packaging Specifications**

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

| Specifications   |  |
|--|--|
| Capacitance  | 0.22 uF  |
| Measurement Condition  | 1 kHz 1.0Vrms                                      |
| Tolerance  | 10%  |
| Voltage DC   | 25 VDC   |
| Dielectric Withstanding Voltage  | 62.5 VDC   |
| Temperature Range  | -55/+125°C   |
| Temp. Coefficient  | X7R  |
| Capacitance Change with<br>Reference to +25°C and 0 VDC<br>Applied (TCC) | 15%, 1kHz 1.0Vrms                                  |
| Dissipation Factor   | 3.5% 1 kHz 1.0Vrms                                 |
| Aging Rate   | 3% Loss/Decade Hour: Referee<br>Time is 1000 Hours |
| Insulation Resistance  | 4.5455 GOhms                                       |

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