

## C1206X335J3RACAUTO

SMD Auto X7R Flex, Ceramic, 3.3 uF, 5%, 25 VDC, X7R, SMD, MLCC, FT-CAP, Automotive Grade, 1206



Click here for the 3D model.

| Dimensions |                 |
|------------|-----------------|
| Chip Size  | 1206            |
| L          | 3.3mm +/-0.4mm  |
| W          | 1.6mm +/-0.35mm |
| Т          | 1.6mm +/-0.20mm |
| В          | 0.6mm +/-0.25mm |

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

| General Information |                                     |
|---------------------|-------------------------------------|
| Series              | SMD Auto X7R Flex                   |
| Style               | SMD Chip                            |
| Description         | SMD, MLCC, FT-CAP, Automotive Grade |
| Features            | FT-CAP, Automotive Grade            |
| RoHS                | Yes                                 |
| Termination         | Flexible Termination                |
| Marking             | No                                  |
| Qualifications      | AEC-Q200                            |
| AEC-Q200            | Yes                                 |
| Component Weight    | 41 mg                               |
| Shelf Life          | 78 Weeks                            |
| MSL                 | 1                                   |

| Specifications                                                     |                                                    |
|--------------------------------------------------------------------|----------------------------------------------------|
| Capacitance                                                        | 3.3 uF                                             |
| Measurement Condition                                              | 1 kHz 1.0Vrms                                      |
| Capacitance Tolerance                                              | 5%                                                 |
| Voltage DC                                                         | 25 VDC                                             |
| Dielectric Withstanding Voltage                                    | 62.5 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                                                 | 10% 1 kHz 1.0Vrms                                  |
| Aging Rate                                                         | 3% Loss/Decade Hour:<br>Referee Time is 1000 Hours |
| Insulation Resistance                                              | 30.3 MOhms                                         |

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