



Click [here](#) for the 3D model.

**General Information**

|                          |                                                     |
|--------------------------|-----------------------------------------------------|
| Series                   | SMD Auto U2J                                        |
| Style                    | SMD Chip                                            |
| Description              | SMD, MLCC, Ultra-Stable, Low Loss, Automotive Grade |
| Features                 | Ultra-Stable, Low Loss, Automotive Grade            |
| RoHS                     | Yes                                                 |
| Termination              | Tin                                                 |
| Marking                  | No                                                  |
| Qualifications           | AEC-Q200                                            |
| Typical Component Weight | 1.06 mg                                             |
| Shelf Life               | 78 Weeks                                            |
| MSL                      | 1                                                   |

**Dimensions**

|                      |                 |
|----------------------|-----------------|
| L                    | 1mm +/-0.05mm   |
| W                    | 0.5mm +/-0.05mm |
| T                    | 0.5mm +/-0.05mm |
| S                    | 0.3mm MIN       |
| B                    | 0.3mm +/-0.1mm  |
| Case Code (EIA / mm) | 0402 / 1005     |

**Packaging Specifications**

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

**Specifications**

|                                                                    |                                                   |
|--------------------------------------------------------------------|---------------------------------------------------|
| Capacitance                                                        | 4,300 pF                                          |
| Measurement Condition                                              | 1 kHz 1.0Vrms                                     |
| Tolerance                                                          | 20%                                               |
| Voltage DC                                                         | 10 VDC                                            |
| Dielectric Withstanding Voltage                                    | 25 VDC                                            |
| Temperature Range                                                  | -55/+125°C                                        |
| Temp. Coefficient                                                  | U2J                                               |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | -750+/-120 ppm/C, 1kHz 1.0Vrms                    |
| Dissipation Factor                                                 | 0.1% 1 kHz 1.0Vrms                                |
| Aging Rate                                                         | 0.1% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance                                              | 100 GOhms                                         |

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