



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

### Dimensions

|           |                    |
|-----------|--------------------|
| Footprint | 3528               |
| L         | 3.5mm +/-0.2mm     |
| W         | 2.8mm +/-0.2mm     |
| H         | 1.9mm +/-0.1mm     |
| T         | 0.13mm REF         |
| S         | 0.8mm +/-0.3mm     |
| F         | 2.2mm +/-0.1mm     |
| A         | 1.1mm MIN          |
| B         | 0.4mm +/-0.15mm    |
| P         | 0.5mm REF          |
| R         | 1mm REF            |
| X         | 0.1mm +/-0.1mm REF |

### Packaging Specifications

|                    |            |
|--------------------|------------|
| Packaging          | T&R, 178mm |
| Packaging Quantity | 2000       |

### General Information

|                          |                                                                                                                              |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Series                   | T598                                                                                                                         |
| Dielectric               | Polymer Tantalum                                                                                                             |
| Style                    | SMD Chip                                                                                                                     |
| Description              | SMD, Polymer, Molded, Low ESR, AEC-Q200                                                                                      |
| Features                 | Automotive (Surge testing at 25C / 10 cycles)                                                                                |
| RoHS                     | No                                                                                                                           |
| Prop 65                  | <b>⚠ WARNING:</b> Cancer and reproductive harm - <a href="http://www.p65warnings.ca.gov">http://www.p65warnings.ca.gov</a> . |
| SCIP Number              | b064b03e-bd75-42af-b342-1fe94dec2340                                                                                         |
| Termination              | Tin Lead (SnPb)                                                                                                              |
| Qualifications           | AEC-Q200                                                                                                                     |
| AEC-Q200                 | Yes                                                                                                                          |
| Typical Component Weight | 94.9 mg                                                                                                                      |
| Shelf Life               | 52 Weeks                                                                                                                     |
| MSL                      | 3                                                                                                                            |

### Specifications

|                       |                                                                      |
|-----------------------|----------------------------------------------------------------------|
| Capacitance           | 150 uF                                                               |
| Capacitance Tolerance | 20%                                                                  |
| Voltage DC            | 6.3 VDC (105C), 4.22 VDC (125C)                                      |
| Temperature Range     | -55/+125°C                                                           |
| Rated Temperature     | 105°C                                                                |
| Humidity              | 85C, 85% RH, load, 1000 Hours                                        |
| Dissipation Factor    | 8% 120Hz 25C                                                         |
| Failure Rate          | N/A                                                                  |
| ESR                   | 45 mOhms (100kHz 25C)                                                |
| Ripple Current        | 1730 mA (rms, 100kHz 45C), 1211 mA (rms, 105C), 432.5 mA (rms, 125C) |
| Leakage Current       | 94.5 uA (5min 25°C)                                                  |