

# T598B475M035AHS200

T598, Tantalum, Polymer Tantalum, Commercial Grade, 4.7 uF, 20%, 35 VDC, SMD, Polymer, Molded, Low ESR, AEC-Q200, 200 mOhms, 3528, 2mm



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

## 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="https://www.p65warnings.ca.gov/">https://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  |

## 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       |

## Specifications

|                       |  |
|-----------------------|--|
| Capacitance           | 4.7 uF   |
| Capacitance Tolerance | 20%  |
| Voltage DC            | 35 VDC (105C), 23.45 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                   | 200 mOhms (100kHz 25C)   |
| Ripple Current        | 820 mA (rms, 100kHz 45C), 574 mA (rms, 105C), 205 mA (rms, 125C) |
| Leakage Current       | 16.5 uA (5min 25°C)  |

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