

## T598V107M010AHS025

T598, Tantalum, Polymer Tantalum, 100 uF, 20%, 10 VDC, SMD, Polymer, Molded, Low ESR, AEC-Q200, 25 mOhms, 7343, Height Max = 2mm

## CATHODE (-) END VIEW SIDE VIEW ANODE (+) END VIEW BOTTOM VIEW Termination outout at KEMET's option, either end

| Dimensions |                |
|------------|----------------|
| Footprint  | 7343           |
| L          | 7.3mm +/-0.3mm |
| W          | 4.3mm +/-0.3mm |
| Н          | 1.9mm +/-0.1mm |
| Т          | 0.13mm REF     |
| S          | 1.3mm +/-0.3mm |
| F          | 2.4mm +/-0.1mm |
| A          | 3.8mm MIN      |
| X          | 0.05mm REF     |

| Packaging Specifications |            |
|--------------------------|------------|
| Packaging                | T&R, 178mm |
| Packaging Quantity       | 1000       |

| 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             | ▲ WARNING: Cancer and reproductive harm - http://www.p65warnings.ca.gov. |
| SCIP Number         | b064b03e-bd75-42af-b342-1fe94dec2340                                     |
| Termination         | Solder Coated  |
| Qualifications      | AEC-Q200   |
| AEC-Q200            | Yes  |
| Component<br>Weight | 274.3 mg   |
| Shelf Life          | 52 Weeks   |
| MSL                 | 3  |

| Specifications           |   |
|--------------------------|---|
| Capacitance              | 100 uF  |
| Capacitance<br>Tolerance | 20%   |
| Voltage DC               | 10 VDC (105C), 6.7 VDC (125C)                                       |
| Temperature<br>Range     | -55/+125°C  |
| Rated<br>Temperature     | 105°C   |
| Humidity                 | 85C, 85% RH, load, 1000 Hours                                       |
| Dissipation Factor       | 10% 120Hz 25C   |
| Failure Rate             | N/A   |
| Resistance               | 25 mOhms (100kHz 25C)   |
| Ripple Current           | 4000 mA (rms, 100kHz 45C), 2800 mA (rms, 105C), 1000 mA (rms, 125C) |
| Leakage Current          | 100 uA (5min 25°C)  |

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