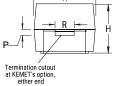


## T598B107M004AHS045

T598, Tantalum, Polymer Tantalum, Commercial Grade, 100 uF, 20%, 4 VDC, SMD, Polymer, Molded, Low ESR, AEC-Q200, 45 mOhms, 3528, 2 mm, 0.8 mm

CATHODE (-) END VIEW



ANODE (+) END VIEW

BOTTOM VIEW Glue pad shape/design at KEMTIs option

SIDE VIEW

| General Information      |   |
|--------------------------|---|
| Series                   | T598  |
| Dielectric               | Polymer Tantalum  |
| Style                    | SMD Chip  |
| Description              | SMD, Polymer, Molded, Low<br>ESR, AEC-Q200  |
| Features                 | Automotive (Surge testing at 25C / 10 cycles)                                     |
| RoHS                     | No  |
| Prop 65                  | WARNING: Cancer and<br>reproductive harm -<br>https://www.p65warnings.ca.gov<br>/ |
| SCIP Number              | b064b03e-bd75-42af-b342-1fe<br>94dec2340  |
| Termination              | Tin Lead (SnPb)   |
| Qualifications           | AEC-Q200  |
| AEC-Q200                 | Yes   |
| Typical Component Weight | 94.9 mg   |
| Shelf Life               | 52 Weeks  |
| MSL                      | 3   |

| Dimensions |                    |
|------------|--------------------|
| L          | 3.5mm +/-0.2mm     |
| W          | 2.8mm +/-0.2mm     |
| Н          | 1.9mm +/-0.1mm     |
| т          | 0.13mm REF         |
| S          | 0.8mm +/-0.3mm     |
| F          | 2.2mm +/-0.1mm     |
| A          | 1.1mm MIN          |
| В          | 0.4mm +/-0.15mm    |
| Р          | 0.5mm REF          |
| R          | 1mm REF            |
| х          | 0.1mm +/-0.1mm REF |

T&R, 178mm

2000

Click here for the 3D model.

## Specifications Capacitance 100 uF Tolerance 20% Voltage DC 4 VDC (105C), 2.68 VDC (125C) Temperature Range -55/+125°C 105°C **Rated Temperature** Humidity 85C, 85% RH, load, 1000 Hours 8% 120Hz 25C **Dissipation Factor** Failure Rate N/A 45 mOhms (100kHz 25C) ESR **Ripple Current** 1730 mA (rms, 100kHz 45C), 1211 mA (rms, 105C), 432.5 mA (rms, 125C) Leakage Current 40 uA (5min 25°C)

## Packaging Specifications Packaging Packaging Quantity

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute – and we specifically disclaim – any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.