

## T598B225M035ATE150

T598, Tantalum, Polymer Tantalum, 2.2 uF, 20%, 35 VDC, SMD, Polymer, Molded, Low ESR, AEC-Q200, 150 mOhms, 3528, Height Max = 2.1mm

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

Click here for the 3D model.

| Dimensions |                 |
|------------|-----------------|
| Footprint  | 3528            |
| L          | 3.5mm +/-0.2mm  |
| W          | 2.8mm +/-0.2mm  |
| Н          | 1.9mm +/-0.2mm  |
| Т          | 0.13mm REF      |
| S          | 0.8mm +/-0.3mm  |
| F          | 2.2mm +/-0.1mm  |
| Α          | 1.1mm MIN       |
| В          | 0.4mm +/-0.15mm |
| Р          | 0.5mm REF       |
| R          | 1mm REF         |
| X          | 0.1mm +/-0.1mm  |
|            |                 |

| 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                              |
| RoHS                | Yes                                     |
| Termination         | Tin                                     |
| Qualifications      | AEC-Q200                                |
| AEC-Q200            | Yes                                     |
| Component Weight    | 94.9 mg                                 |
| Shelf Life          | 52 Weeks                                |
| MSL                 | 3                                       |

| Specifications           |  |
|--------------------------|--|
| Capacitance              | 2.2 uF   |
| Capacitance<br>Tolerance | 20%  |
| Voltage DC               | 35 VDC (105C), 18.9 VDC (125C)                                     |
| Temperature<br>Range     | -55/+125°C   |
| Rated<br>Temperature     | 105°C  |
| Humidity                 | 85C, 85% RH, load, 1000 Hours                                      |
| Dissipation Factor       | 8% 120Hz 25C   |
| Failure Rate             | N/A  |
| Resistance               | 150 mOhms (100kHz 25C)   |
| Ripple Current           | 950 mA (rms, 100kHz 45C), 665 mA (rms, 105C), 237.5 mA (rms, 125C) |
| Leakage Current          | 7.7 uA (5min 25°C)   |

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