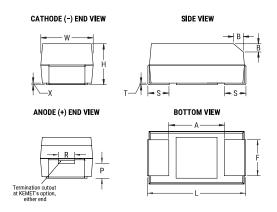
## KEMET Part Number: T599D157M006ATE045



T599, Tantalum, Polymer Tantalum, 150 uF, 20%, 6 VDC, SMD, Polymer, Molded, Low ESR, AEC-Q200, 45 mOhms, 7343, Height Max = 3.1mm



| Dimensions |                 |  |
|------------|-----------------|--|
| Footprint  | 7343            |  |
| L          | 7.3mm +/-0.3mm  |  |
| W          | 4.3mm +/-0.3mm  |  |
| Н          | 2.8mm +/-0.3mm  |  |
| Т          | 0.13mm REF      |  |
| S          | 1.3mm +/-0.3mm  |  |
| F          | 2.4mm +/-0.1mm  |  |
| Α          | 3.8mm MIN       |  |
| В          | 0.5mm +/-0.15mm |  |
| Р          | 0.9mm REF       |  |
| R          | 1mm REF         |  |
| X          | 0.1mm +/-0.1mm  |  |

| Packaging Specifications |            |  |
|--------------------------|------------|--|
| Weight:                  | 434.83 mg  |  |
| Packaging:               | T&R, 178mm |  |
| Packaging Quantity:      | 500        |  |

| General Information |  |  |
|---------------------|--|--|
| Series:             | T599                                       |  |
| Dielectric:         | Polymer Tantalum                           |  |
| Style:              | SMD Chip                                   |  |
| Description:        | SMD, Polymer, Molded, Low<br>ESR, AEC-Q200 |  |
| Features:           | Automotive                                 |  |
| RoHS:               | Yes  |  |
| Termination:        | Tin  |  |
| Qualifications:     | AEC-Q200                                   |  |
| AEC-Q200:           | Yes  |  |
| Shelf Life:         | 52 Weeks                                   |  |
| MSL:                | 3  |  |

| Specifications         |   |
|------------------------|---|
| Capacitance:           | 150 uF  |
| Capacitance Tolerance: | 20%   |
| Voltage DC:            | 6 VDC (105C), 4.02 VDC (150C)   |
| Temperature Range:     | -55/+150°C  |
| Rated Temperature:     | 105°C   |
| Humidity:              | 85C, 85% RH, load, 1000 Hours   |
| Dissipation Factor:    | 10% 120Hz 25C   |
| Failure Rate:          | N/A   |
| Resistance:            | 45 mOhms (100kHz 25C)   |
| Ripple Current:        | 2236 mA (rms, 100kHz 45C),<br>2012.4 mA (rms, 85C), 447.2 mA<br>(rms, 150C) |
| Leakage Current:       | 94.5 uA (5min 25°C)   |

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