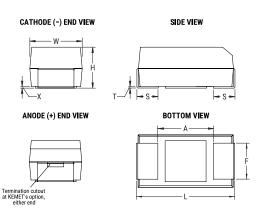
## KEMET Part Number: T598V157M010ATE025



T598, Tantalum, Polymer Tantalum, 150 uF, 20%, 10 VDC, SMD, Polymer, Molded, Low ESR, AEC-Q200, 25 mOhms, 7343, Height Max = 2mm



| 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 |
| Α          | 3.8mm MIN      |
| Х          | 0.5mm REF      |

| Packaging Specifications |            |  |
|--------------------------|------------|--|
| Weight:                  | 274.3 mg   |  |
| Packaging:               | T&R, 178mm |  |
| Packaging Quantity:      | 1000       |  |

| General Information |  |  |
|---------------------|--|--|
| Series:             | T598                                       |  |
| 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:            | 10 VDC (105C), 6.67 VDC<br>(125C)   |  |
| Temperature Range:     | -55/+125°C  |  |
| Rated 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),<br>2800 mA (rms, 105C), 1000 mA<br>(rms, 125C) |  |
| Leakage Current:       | 150 uA (5min 25°C)  |  |

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