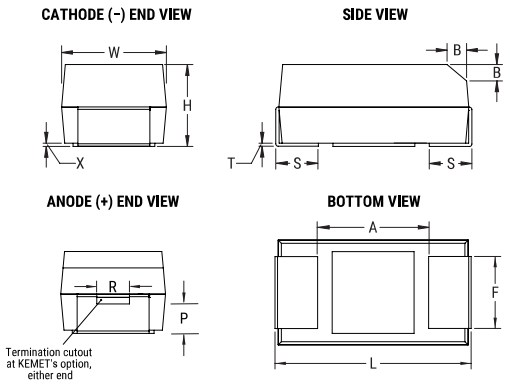
# KEMET Part Number: T598B157M006AHE070

T598, Tantalum, Polymer Tantalum, 150 uF, 20%, 6.3 VDC, SMD, Polymer, Molded, Low ESR, AEC-Q200, 70 mOhms, 3528, Height Max = 2.1mm




| General Information | |
|---|---|
| **Series:** | T598 |
| **Dielectric:** | Polymer Tantalum |
| **Style:** | SMD Chip |
| **Description:** | SMD, Polymer, Molded, Low ESR, AEC-Q200 |
| **Features:** | Automotive |
| **RoHS:** | No |
| **Prop 65:** | **WARNING:** Cancer and reproductive harm - www.p65warnings.ca.gov. |
| **REACH:** | SVHC (Pb – CAS 7439-92-1) |
| **Termination:** | Solder Coated |
| **Qualifications:** | AEC-Q200 |
| **AEC-Q200:** | Yes |
| **Shelf Life:** | 52 Weeks |
| **MSL:** | 3 |

| Dimensions | |
|---|---|
| **Footprint** | 3528 |
| **L** | 3.5mm +/-0.2mm |
| **W** | 2.8mm +/-0.2mm |
| **H** | 1.9mm +/-0.2mm |
| **T** | 0.13mm REF |
| **S** | 0.8mm +/-0.3mm |
| **F** | 2.2mm +/-0.1mm |
| **A** | 1.1mm MIN |
| **B** | 0.4mm +/-0.15mm |
| **P** | 0.5mm REF |
| **R** | 1mm REF |
| **X** | 0.1mm +/-0.1mm |

| Specifications | |
|---|---|
| **Capacitance:** | 150 uF |
| **Capacitance Tolerance:** | 20% |
| **Voltage DC:** | 6.3 VDC (105C), 4.22 VDC (125C) |
| **Temperature Range:** | -55/+125°C |
| **Rated Temperature:** | 105°C |
| **Humidity:** | 85C, 85% RH, load, 1000 Hours |
| **Dissipation Factor:** | 8% 120Hz 25C |
| **Failure Rate:** | N/A |
| **Resistance:** | 70 mOhms (100kHz 25C) |
| **Ripple Current:** | 1390 mA (rms, 100kHz 45C), 973 mA (rms, 105C), 347.5 mA (rms, 125C) |
| **Leakage Current:** | 94.5 uA (5min 25°C) |

| Packaging Specifications | |
|---|---|
| **Weight:** | 94.85 mg |
| **Packaging:** | T&R, 178mm |
| **Packaging Quantity:** | 2000 |

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