

## T520H827M010ATE055

T520, Tantalum, Polymer Tantalum, 820 uF, 20%, 10 VDC, SMD, Polymer, Molded, Low Profile/ESR, NonCombustible, 55 mOhms, 7360, Height Max = 2mm

CATHODE (-) END VIEW



SIDE VIEW



ANODE (+) END VIEW



Termination cutout at KEMET's option, either end

BOTTOM VIEW



Click [here](#) for the 3D model.

### Dimensions

|           |                |
|-----------|----------------|
| Footprint | 7360           |
| L         | 7.3mm +/-0.3mm |
| W         | 6mm +/-0.3mm   |
| H         | 1.9mm +/-0.1mm |
| T         | 0.13mm REF     |
| S         | 1.3mm +/-0.3mm |
| F         | 4.1mm +/-0.1mm |
| A         | 3.3mm MIN      |
| X         | 0.1mm +/-0.1mm |

### Packaging Specifications

|                    |            |
|--------------------|------------|
| Packaging          | T&R, 178mm |
| Packaging Quantity | 1000       |

### General Information

|                  |   |
|------------------|---|
| Series           | T520  |
| Dielectric       | Polymer Tantalum                                      |
| Style            | SMD Chip  |
| Description      | SMD, Polymer, Molded, Low Profile/ESR, NonCombustible |
| Features         | Low ESR   |
| RoHS             | Yes   |
| Termination      | Tin   |
| AEC-Q200         | No  |
| Component Weight | 384.64 mg   |
| Shelf Life       | 52 Weeks  |
| MSL              | 3   |

### Specifications

|                       |   |
|-----------------------|---|
| Capacitance           | 820 uF  |
| Capacitance Tolerance | 20%   |
| Voltage DC            | 10 VDC (85C)                                  |
| Temperature Range     | -55/+85°C                                     |
| Rated Temperature     | 85°C  |
| Life                  | 2000 Hrs (85C)                                |
| Humidity              | 60C, 90% RH, 500 Hours, No Load               |
| Dissipation Factor    | 10% 120Hz 25C                                 |
| Failure Rate          | N/A   |
| Resistance            | 55 mOhms (100kHz 25C)                         |
| Ripple Current        | 1910 mA (rms, 100kHz 45C), 1337 mA (rms, 85C) |
| Leakage Current       | 820 uA (5min 25°C)                            |

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